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**THEATER MEDICAL INFORMATION
PROGRAM-JOINT (TMIP-J)
DATA MIGRATION GUIDE
VERSION 1.1**

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1.0 SCOPE

1.1 IDENTIFICATION

This guide describes Data Migration and the procedures for migrating data from a Block 1 (B1) system to a Block 2 (B2) system.

1.2 DATA MIGRATION OVERVIEW

Data Migration represents the intentional upgrade of a B1 system to a B2 system. Several steps must be followed for the successful migration of data. It is important to note the B2 installation is not intended to automatically upgrade a B1 system. In addition, it is recommended the higher level echelons of care installations be upgraded to the B2 environment prior to the lower levels of care.

Data Migration is the movement of data from one system to another. The movement of data can be from one machine to another; or it is possible to export the data from a B1 system to an external media storage device or network drive, then import the data to the same machine once it has been updated to the B2 system.

The Data Migration Guide must be read and understood prior to beginning the installation.

1.3 DOCUMENT OVERVIEW

This document provides an understanding of the migration of data from a B1 system to a B2 system. It is organized into four sections and two appendixes.

- **Section 1** – Scope
- **Section 2** – Pre-Migration Setup
- **Section 3** – Data Migration – Export
- **Section 4** – Data Migration – Import
- **Appendix A** – Acronyms and Abbreviations Table
- **Appendix B** – Pre-Migration Checklist

2.0 PRE-MIGRATION SETUP

Data Migration represents the movement of data located on a current B1 system to an external media source. Once collected, this data can then be migrated to a B2 system. Prior to the migration occurring, the System Administrator (SA) must ensure the following pre-migration items have been followed. A Pre-Migration Checklist has been included in Appendix B.

2.1 DATA TO BE MIGRATED

The Theater Medical Information Program-Joint (TMIP-J) Data Migration Utility will only collect and transfer data found in the My Documents folder of the B1 system and any data contained in the AHLTA-Theater (AHLTA-T) application database. AHLTA-T application configuration data residing outside the database, Windows security logs, passwords, and accounts external to the database will not be migrated. Only files with .doc, .ppt, .xls, .vsd, .mpp, .dot, and .pdf extensions will be migrated.

The SA should move any documents or files to the My Documents folder or save to an external media source so the data can be migrated. Older documents which are not intended to be migrated should be removed from the My Documents folder. Profile specific information of the owner's My Document folder is lost. All files from all users' My Documents folders are saved to the designated My Document folder.

2.2 B1 DATA TRANSFER VIA THE STEM

On the B1 system, it is important that any data waiting to transmit due to the site being configured as stand-alone or because external communications are down be moved along or archived prior to migrating to B2. To remove Internet Information Server (IIS) unsent Bad Mail messages, the SA will have the Bad Mail Utility run in the background under the account having system administrator's privileges. TMIP-J sent messages will stay in the database. The user must perform a data transfer via the Storage Transfer Encapsulation Method (STEM).

2.2.1 B1 STEM Procedure

When the TMIP-J site is configured as a stand-alone or the external communications network is down, TMIP-J must ensure its clinical data is transferred to the Force Health Protection Interim Theater Database (FHP ITDB). This data transfer is accomplished via STEM.

IMPORTANT WARNING – DO NOT run STEM data transfer procedures from a TMIP-J client configuration. STEM procedures are only applicable to TMIP-J server configurations.

STEM volumes are produced on removable media which replaces e-mail as the means for transfer of encrypted messages to and from other TMIP-J sites. The STEM volumes are physically transported to another TMIP-J site that has access to theater communications. Processing of the clinical messages (e.g., compression, encryption, decryption, decompression, etc.) remains the same regardless if the TMIP-J site is configured as a

stand-alone (no theater communications connectivity) or non-stand-alone (theater communications is available) site.

STEM has two operations – Import and Export. The Import operation transfers message files from the removable media into the TMIP-J workstation’s database. The Export operation transfers message files from the TMIP-J workstation’s database to the removable media. The **STEM Application** screen is shown in Figure 2-1.

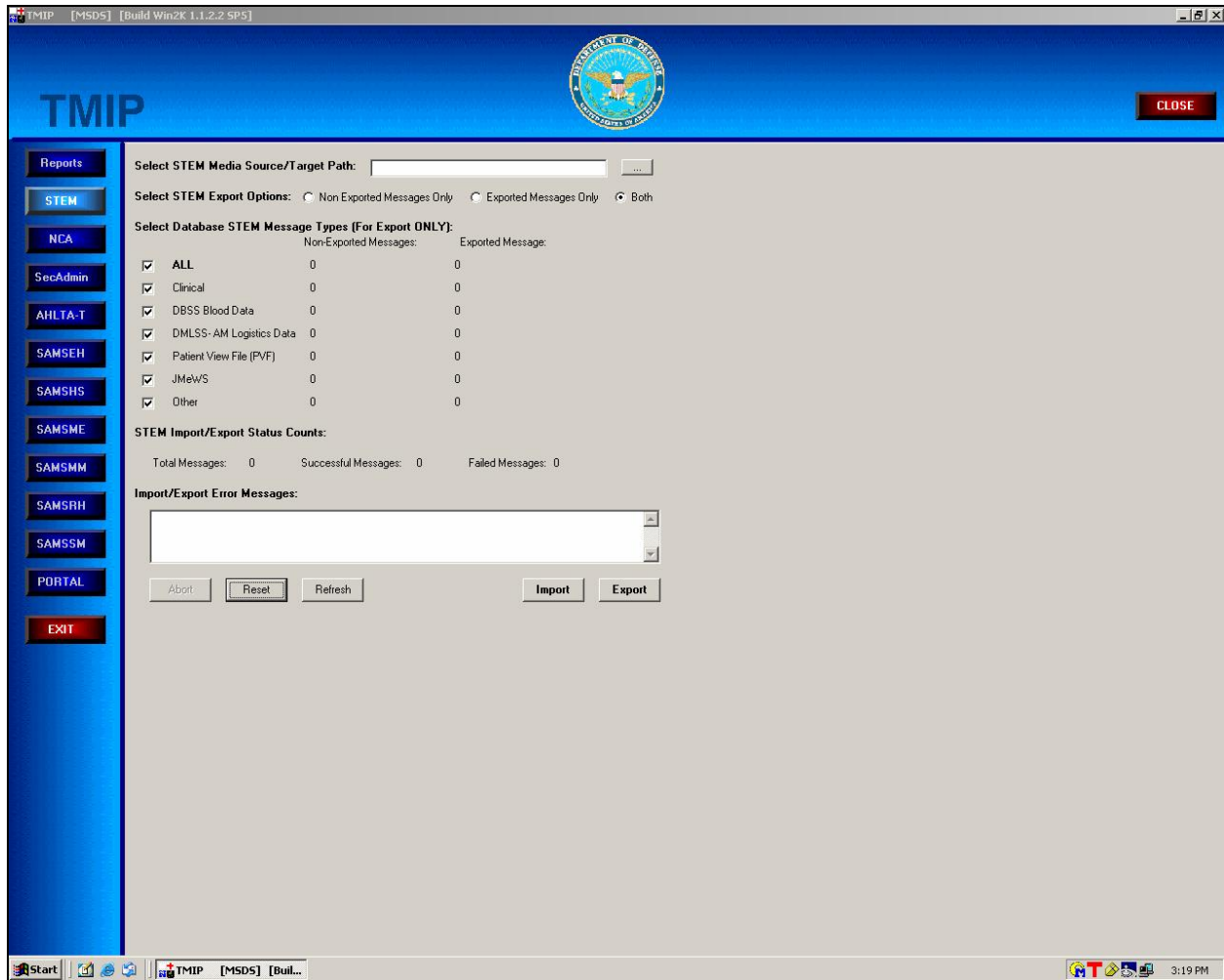


Figure 2-1 STEM Application Screen

2.2.2 Export STEM Volume

This section describes the steps for exporting the message files from the TMIP-J workstation’s database to removable media. Refer to Figure 2-1.

1. Log into TMIP with a user account having the ROLE_TMIP_STM role.
2. Click on the **STEM** button. The **STEM Application** screen is displayed.
3. Click on the ... button next to the **Path** field to select the path to the removable media.

4. Three options may be selected for exporting to the STEM. Check all of the boxes that apply.
 - When the **Delete on Import/Export** is checked, the messages are deleted from the workstation's database when the export has been successfully completed.
 - When the **Re-Export/Import** is checked, messages that have previously been exported from the workstation's database but not deleted can be exported again.
 - When the **Abort on Error** is checked, the STEM process halts when an error occurs. The error message displays in the error message box. If this checkbox is not checked, the error displays in the error message box, but processing will continue.
5. An informational message is displayed with the following details:
 - The number of messages available for export
 - The number of messages that have been exported
 - The total number of messages
 - The number of messages exported successfully
 - The number of messages that failed export
6. Click on the **EXPORT** button to start exporting messages. The following options are available:
 - **DELETE** – Clicking on this button deletes messages that have been exported from the workstation's database. The option may be used when the **Delete on Import/Export** box is not checked.
 - **REPORTS** – Clicking on this button displays an informational screen reporting the number of previously exported messages and the number of messages waiting to be exported.
 - **ABORT** – Clicking on this button halts the import/export process. The messages already processed will not be backed out.
 - **RESET** – Clicking on this button clears the counters, updates non-exported and exported messages numbers, and clears the error message box.

2.2.3 Import STEM Volume

This section describes the steps for transferring message files from removable media into the TMIP-J workstation's database. Refer to Figure 2-1.

1. Log into TMIP-J with a user account having the `ROLE_TMIP-J_STM` role.
2. Click on the **STEM** button. The **STEM Application** screen is displayed.
3. Click on the **...** button next to the **Path** field to select the path to the removable media.
4. Three options may be selected. Check all of the boxes that apply:

- When the **Delete on Import/Export** is checked, the messages are deleted from the workstation's database when the import has been successfully completed.
 - When the **Re-Export/Import** is checked, messages that have previously been imported from the workstation's database but not deleted can be imported again.
 - When the **Abort on Error** is checked, the STEM process halts when an error occurs. The error message displays in the error message box. If this box is not checked, the error displays in the error message box, but processing will continue.
5. An informational message is displayed with the following details:
- The number of messages available for import
 - The number of messages that have been imported
 - The total number of messages
 - The number of messages imported successfully
 - The number of messages that failed import
6. Click on the **IMPORT** button to start importing messages. The following options are available:
- **DELETE** – Clicking on this button deletes messages that have been imported from the removable media. The option may be used when the **Delete on Import/Export** box is not checked.
 - **REPORTS** – Clicking on this button displays an informational window reporting the number of previously imported messages and the number of messages waiting to be imported.
 - **ABORT** – Clicking on this button halts the import/export process. The messages that have already processed will not be backed out.
 - **RESET** – Clicking on this button clears the counters, updates non-imported and imported messages numbers, and clears the error message box.

2.3 PREPARING A B1 SYSTEM

There are several steps to complete prior to exporting the data from a B1 system. The B1 system must be either a stand-alone or a server. All clients should be closed before Data Migration starts. The migration processes shuts down the database, effectively disconnecting all clients. Data Migration Utility should be run during a scheduled maintenance downtime and NOT during normal operational hours.

2.3.1 Back Up a B1 System

This is simply a precautionary step to protect the data should the system need to be restored. Refer to the B1 System Administration Manual (SAM) for details on how to back up the B1 System.

In addition, if there are any other files or data that are important, it is recommended the general file backup procedures be followed as appropriate.

2.3.2 B1 TMIP-J and Oracle Version

For the Data Migration Utility to complete the migration process, the TMIP-J version being utilized on the B1 system must be Version 1.1.2.2 Service Pack 5 and the Oracle Database must be Oracle 8i Version 8.1.7.4.17. If these versions are earlier versions, the Data Migration will abort and the database will be reset to the original data. As new Service Packs become available, the users will be notified of the compatibility of the Service Pack to the Data Migration Utility. The SA must upgrade the B1 system to the correct versions of TMIP-J and Oracle prior to running the Data Migration Utility.

2.3.3 Pre-Export Migration Setup

Prior to the start of the Data Migration Utility, the SA should create one working folder and one container folder for the export portion of the migration. These folders should be located on an external media source, or the Working folder can be created on a local drive, and the TMIP-J B2 Data Container folder can be created on a network drive. The Working folder pulls the information from the applications and then transfers the data to the TMIP-J B2 Data Container folder where the information is encrypted and then utilized during the import portion of the Data Migration process.

2.4 PREPARING A B2 SYSTEM

2.4.1 Set Up a B2 Machine

Prior to importing B1 data, the B2 machine must be:

- Formatted or imaged
- Hard drives partitioned
- TMIP-J B2 Installation Wrapper installed

The minimum hardware requirements for the common scenario in which a laptop must be able to operate as either a client or as a stand-alone machine are as follows:

- Processor: Pentium III, 800 Megahertz (MHz)
- RAM: 1 Gigabyte (GB)
- Hard Disk: 40 GB of free space

This can be done prior to starting the Data Migration Utility if a different machine is being used as the B2 machine or just prior to importing the data to the B2 machine.

Note: Data Migration Utility will run on any machine with Windows 2003 or XP.

Note: Data Migration Utility will update from a Block 1 Service Pack 5 (B1 SP5) machine.

Refer to the TMIP-J SAM Appendix B: System Installation Guide (SIG) for the installation and setup of a new machine.

2.4.2 Pre-Import Migration Setup

Prior to the start of the Data Migration Utility, the SA should create two folders for the import portion of the migration. These folders should be located on an external media source or a local drive. The folders should be named “Working” and “Restore.” The Working folder will pull the information from TMIP-J B2 Data Container folder created in the export portion of the Data Migration, decrypt the information, and then import into the B2 machine. The My Documents folder migrated from the B1 machine will be migrated to the Restore folder. After the migration process is complete, the Working folder will automatically be deleted. A pre-migration checklist is provided in Appendix B.

Note: To retain any patient information or records, AHLTA-T and Shipboard Non-Tactical Automated Data Processing Program Automated Medical System (SAMS) should not be used during the Data Migration process. Since the Data Migration Utility will overwrite any information in either application, users should not input any data in either AHLTA-T or SAMS prior to the import of data.

2.5 POST-DEPLOYMENT SOFTWARE SUPPORT

The Military Health System (MHS) provides Service Help Desk operational sustainment support. In general, any software issues should be reported first to the Service Help Desk. The Service Help Desk will then escalate issues up through the MHS Help Desk tier levels as deemed necessary.

TMIP-J supports the Service Help Desk including operational sustainment support and mid-cycle, low risk and maintenance releases for technology updates and problem fixes. The site SA will provide the Service a Help Desk telephone number once the software is deployed. The MHS Service Help Desk is available via the following:

- <http://www.mhs-helpdesk.com>
- help@mhs-helpdesk.com
- 800.600.9332 (Continental United States [CONUS])
- 210.767.5250 (Direct)
- 866.637.8725 (Outside Continental United States [OCONUS])

3.0 DATA MIGRATION – EXPORT

The first step in Data Migration is the exporting of data from the B1 system. The primary migration strategy is to export all relevant patient data from the B1 AHLTA-T system. The following outlines the procedures necessary to export data from the B1 AHLTA-T system.

The Data Migration Utility expected runtime for the exporting of a small database (0-10,000 encounters) is approximately 5 minutes, a medium sized database (11,000-25,000 encounters) is approximately 10 minutes, and a large database (26,000-50,000 encounters) is approximately 20 minutes.

Note: The TMIP-J version needs to be at least Version 1.1.2.2 Service Pack 5 (SP5) for the migration process to work.

Note: During the migration process, all users should log off either AHLTA-T or SAMS applications and close the applications. The Data Migration Utility should be run during scheduled maintenance downtime.

Note: The Data Migration process could fail if the user manually edits any entry in the tnsnames.ora file that has a SERVICE_NAME = ldb. Data Migration may not be able to properly determine if the database is configured as a remote client. The user should only use the provided tools to modify system configuration. On a B1 system, use the TMIP Configuration tool and on a B2 system, use the Oracle TnsNames Manager tool. See the TMIP-J SAM for additional information.

Step

1. Use Windows Explorer from Windows Desktop to navigate to the CD/DVD drive.
2. Double click on **setup.exe** file of the Data Migration Utility (**Figure 3-1**). Data Migration Utility is found on B2FY07SP1-DVD04 DVD.

Note: Data Migration Utility **CANNOT** be executed from a network location.

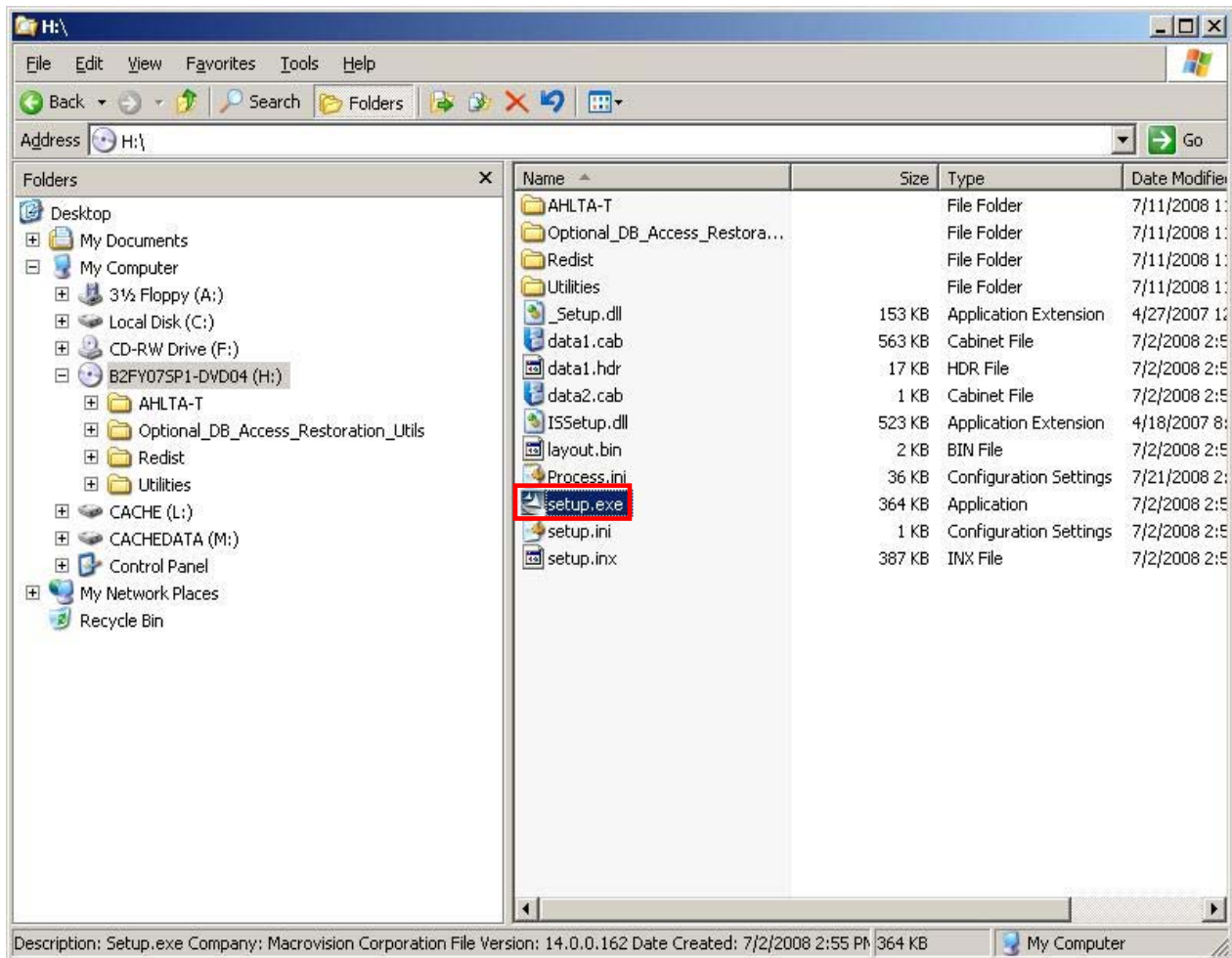


Figure 3-1 Data Migration setup.exe File Screen

- The Data Migration Utility will detect the current TMIP-J version.
 - If the TMIP-J version is 1.1.2.2, the Data Migration Utility will continue.
 - If the TMIP-J version is not 1.1.2.2, the Data Migration Utility will ask the user to upgrade to TMIP-J version 1.1.2.2.
 - If the Data Migration Utility can not detect TMIP-J version, the process will abort.

Step

Note: .NET Framework only needs to be installed the first time the Data Migration Utility is run if the system does not already have .NET Framework installed.

Note: Following screens will appear during .Net Framework installation.

3. **Microsoft .NET Framework 1.1 Setup License Agreement** screen appears (**Figure 3-2**).
4. Select **I agree** radio button.
5. Click **Install**.



Figure 3-2 .NET Framework 1.1 Setup License Agreement Screen

Step
6. Installation of Microsoft .NET Framework 1.1 is complete screen appears (Figure 3-3).
7. Click OK .

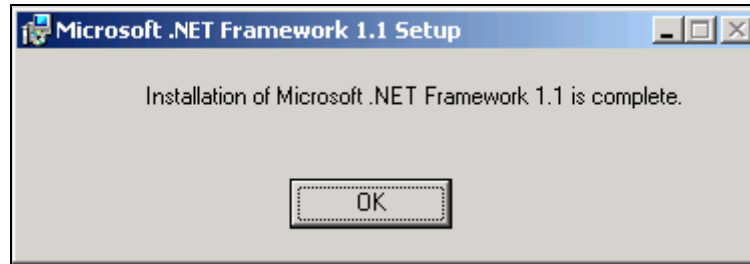


Figure 3-3 Installation of Microsoft .NET Framework 1.1 Is Complete Screen

Step
8. Welcome to the Data Migration Wizard screen appears (Figure 3-4).
9. Select Next .
WARNING: Attempting to run Data Migration on a system more than once will cause a dialog screen to appear stating, Continuing with this application may corrupt databases and/or other files. Do you want to continue?



Figure 3-4 Welcome to the Data Migration Wizard Screen

Step
10. Data Migration Guide dialog box appears (Figure 3-5). 11. Select OK .



Figure 3-5 Data Migration Guide Dialog Box

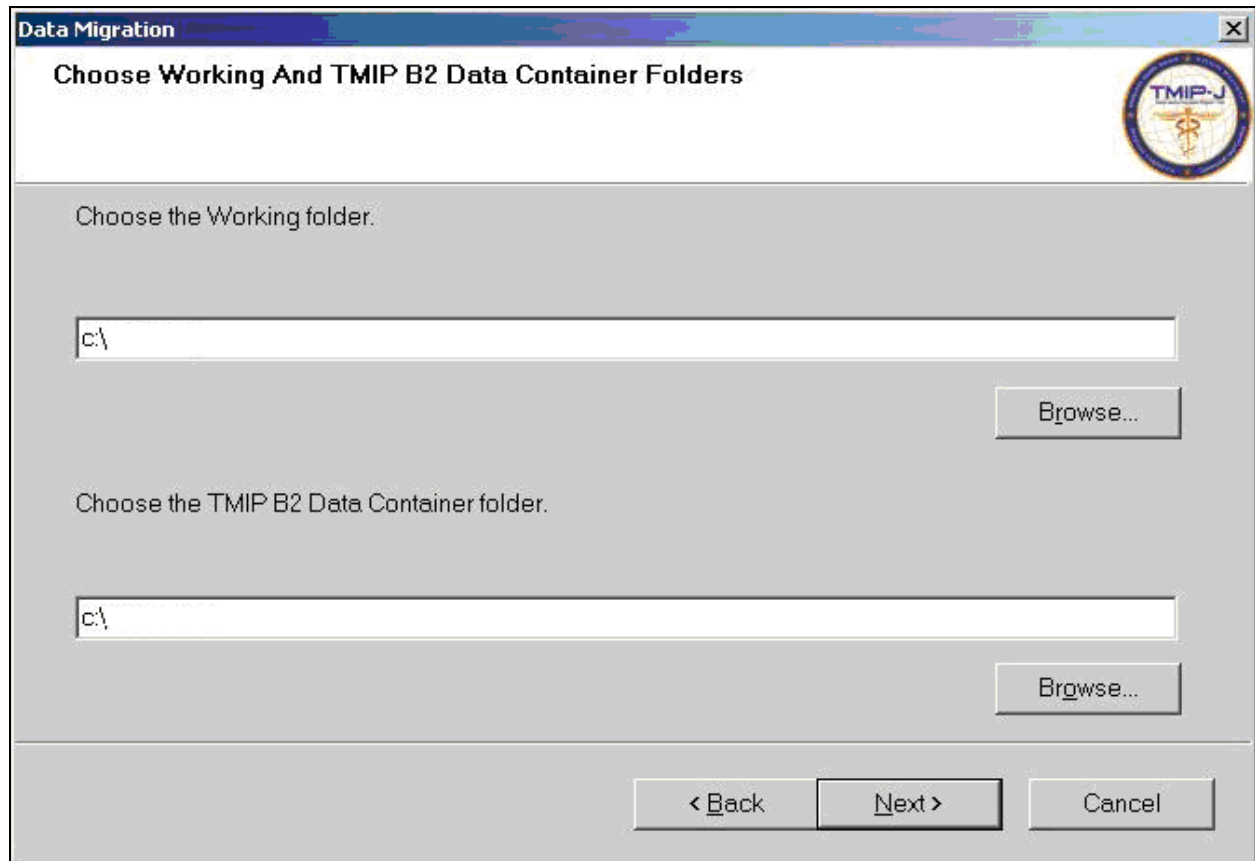
Step
12. Data Migration remote users warning screen appears (Figure 3-6). 13. Select OK .



Figure 3-6 Data Migration Remote Users Warning Screen

Step

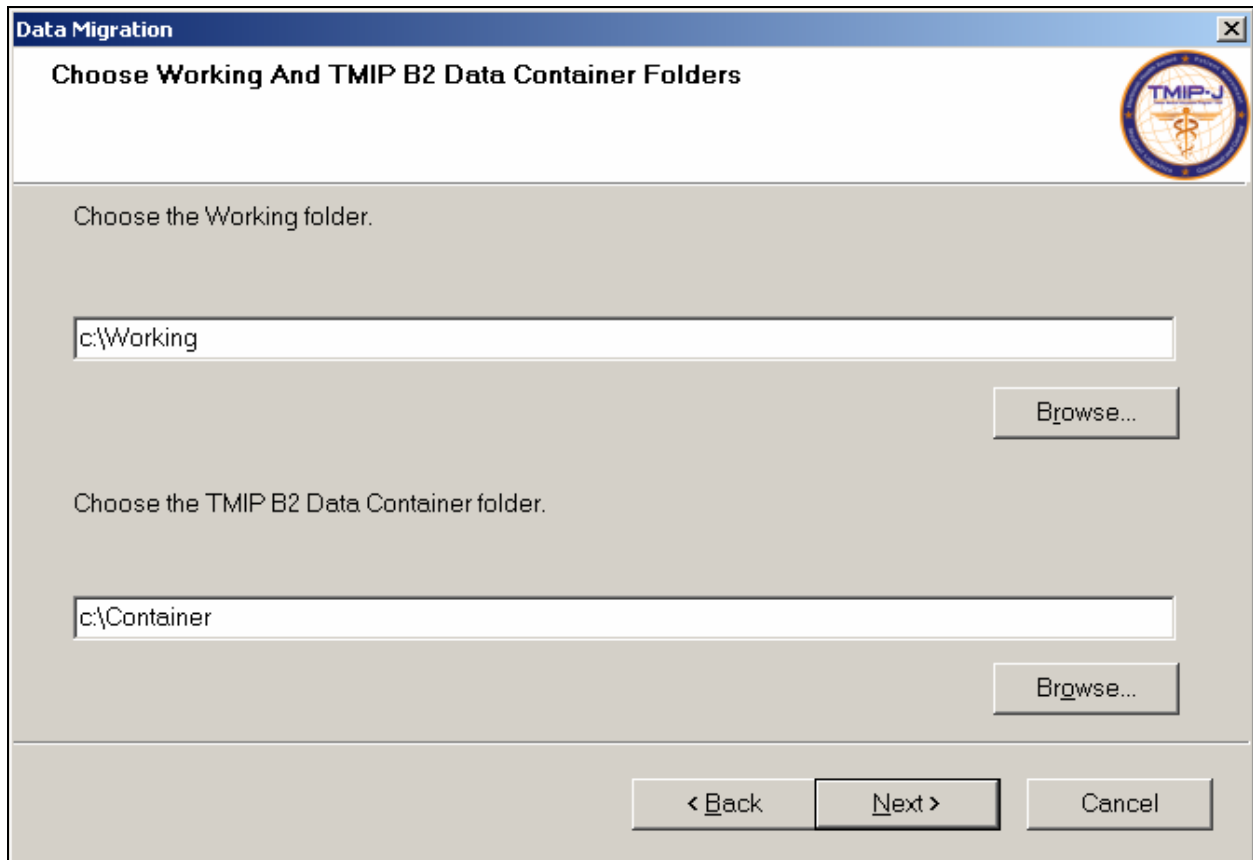
14. **Choose Working And TMIP B2 Data Container Folders** screen appears (**Figure 3-7**).



The screenshot shows a software window titled "Data Migration" with a subtitle "Choose Working And TMIP B2 Data Container Folders". In the top right corner is a circular logo with "TMIP-J" and a caduceus. The main area is divided into two sections. The first section is labeled "Choose the Working folder." and contains a text input field with "c:\" and a "Browse..." button to its right. The second section is labeled "Choose the TMIP B2 Data Container folder." and contains a similar text input field with "c:\" and a "Browse..." button. At the bottom of the window are three buttons: "< Back", "Next >", and "Cancel".

Figure 3-7 Choose Working And TMIP B2 Data Container Folders Screen

Step
15. Enter Working in the Choose the Working folder field.
16. Enter Container in the Choose the TMIP B2 Data Container folder field.
17. Click Next .



Data Migration

Choose Working And TMIP B2 Data Container Folders

Choose the Working folder.

c:\Working

Browse...

Choose the TMIP B2 Data Container folder.

c:\Container

Browse...

< Back Next > Cancel

Figure 3-8 Choose Working And TMIP B2 Data Container Folders - Completed Screen

Step
18. Data Migration drive selection screen appears (Figure 3-9).
19. If Yes , a Network Drive can be chosen.
20. If No , Data Migration User input screen appears (Figure 3-10).

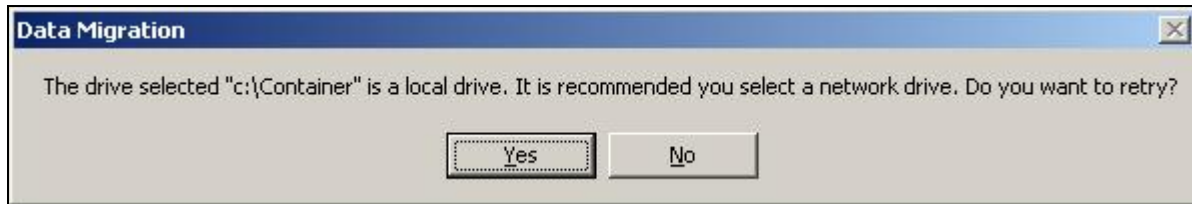
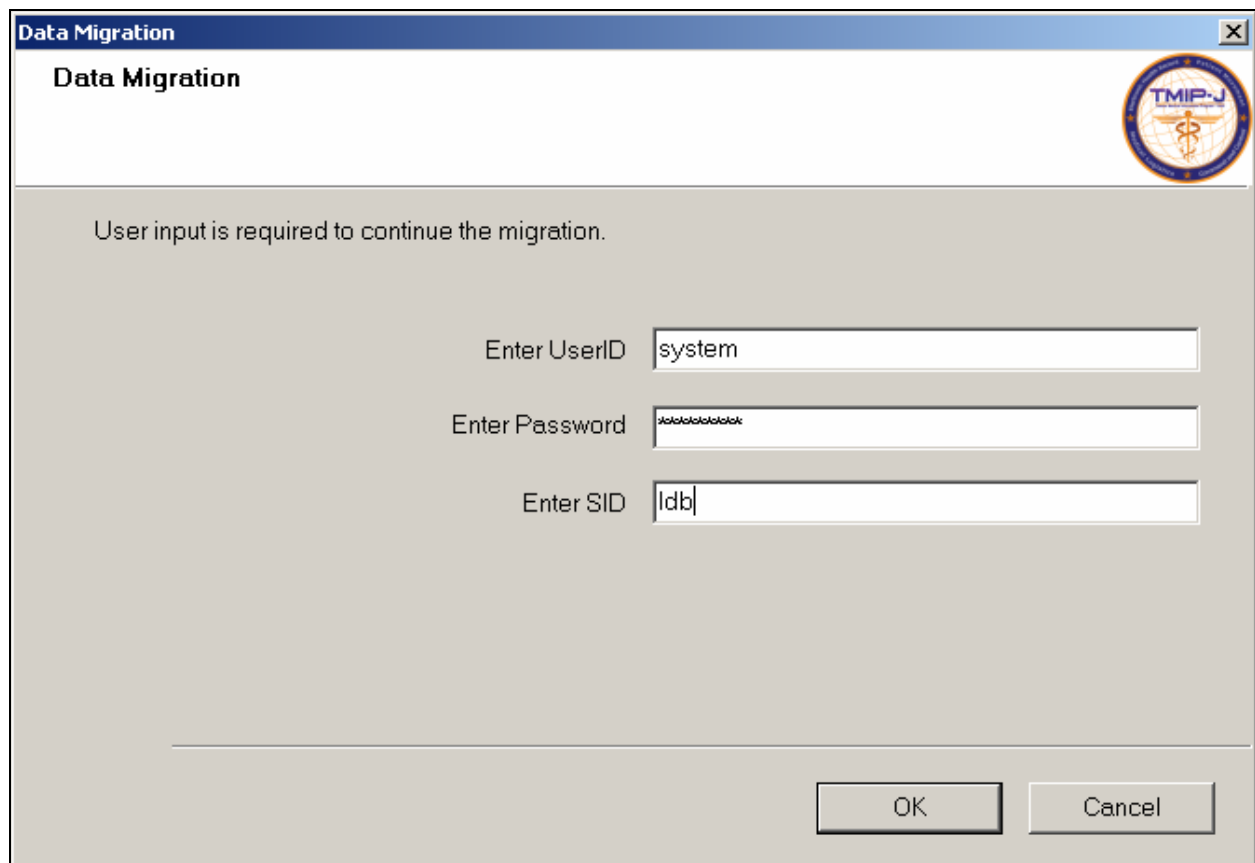


Figure 3-9 Data Migration Drive Selection Screen

Step
21. Enter Oracle System UserID - system .
22. Enter Oracle System Password .
23. Enter SID - ldb .
24. Click OK .



Data Migration

Data Migration

User input is required to continue the migration.

Enter UserID

Enter Password

Enter SID

Figure 3-10 Data Migration User Input Screen

Step
25. Select the Product to migrate from: screen appears (Figure 3-11).
26. Select TMIP B1 SP5 .
27. Click Next .

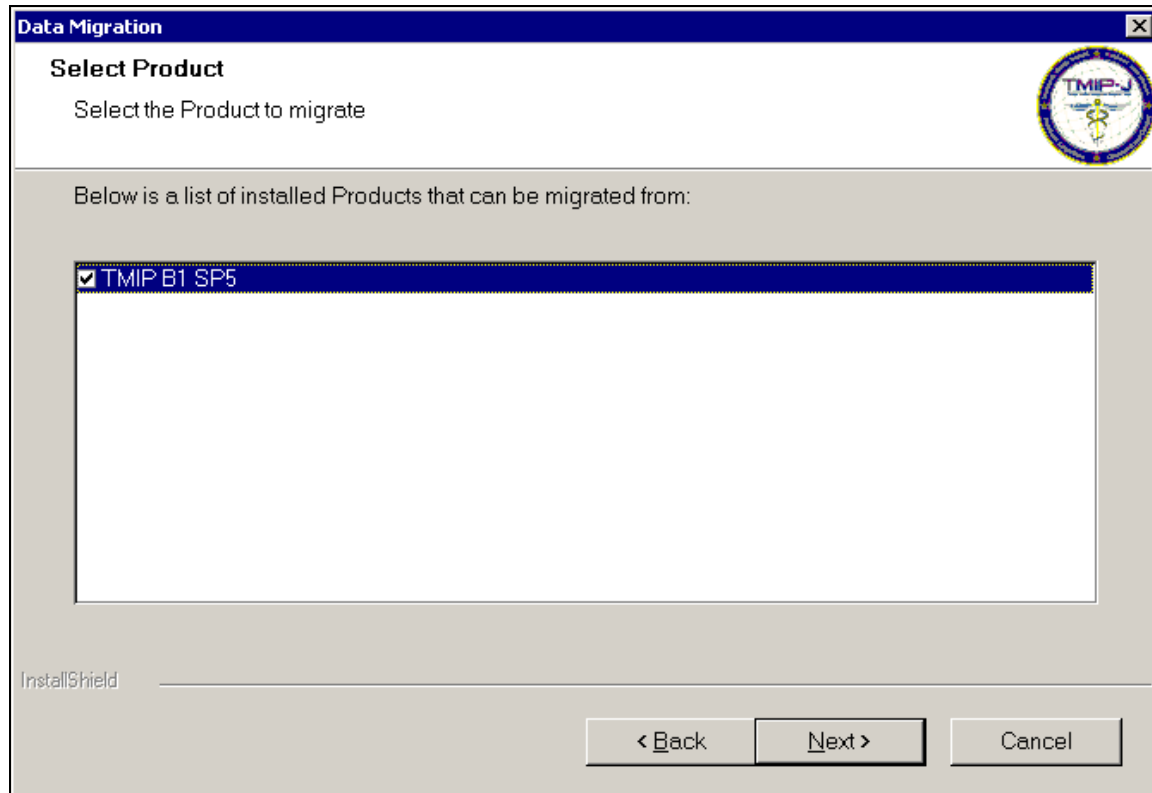


Figure 3-11 Select the Product to Migrate Screen

Step
28. List of Components to migrate screen appears (Figure 3-12).
29. Click Next .

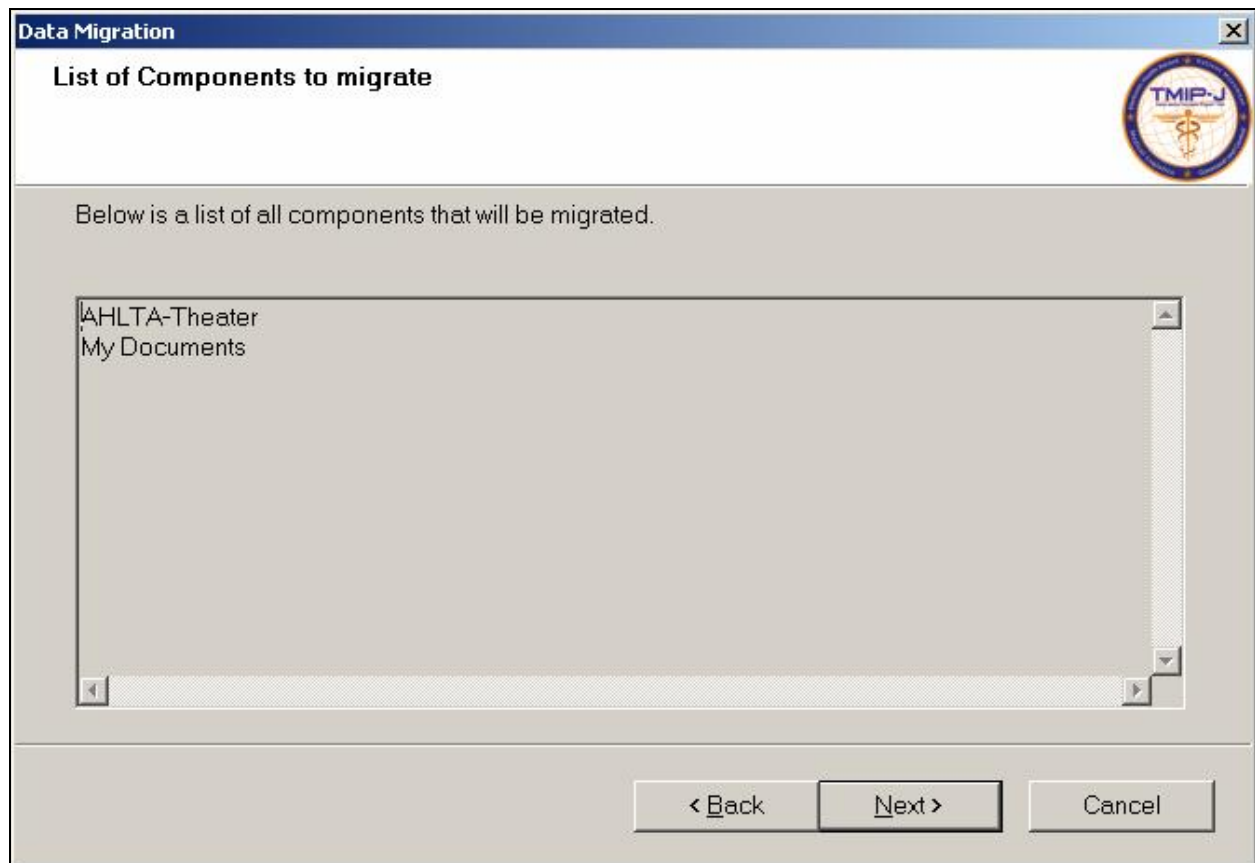


Figure 3-12 List of Components to Migrate Screen

Step
30. Data Migration Setup Status screen appears (Figure 3-13).

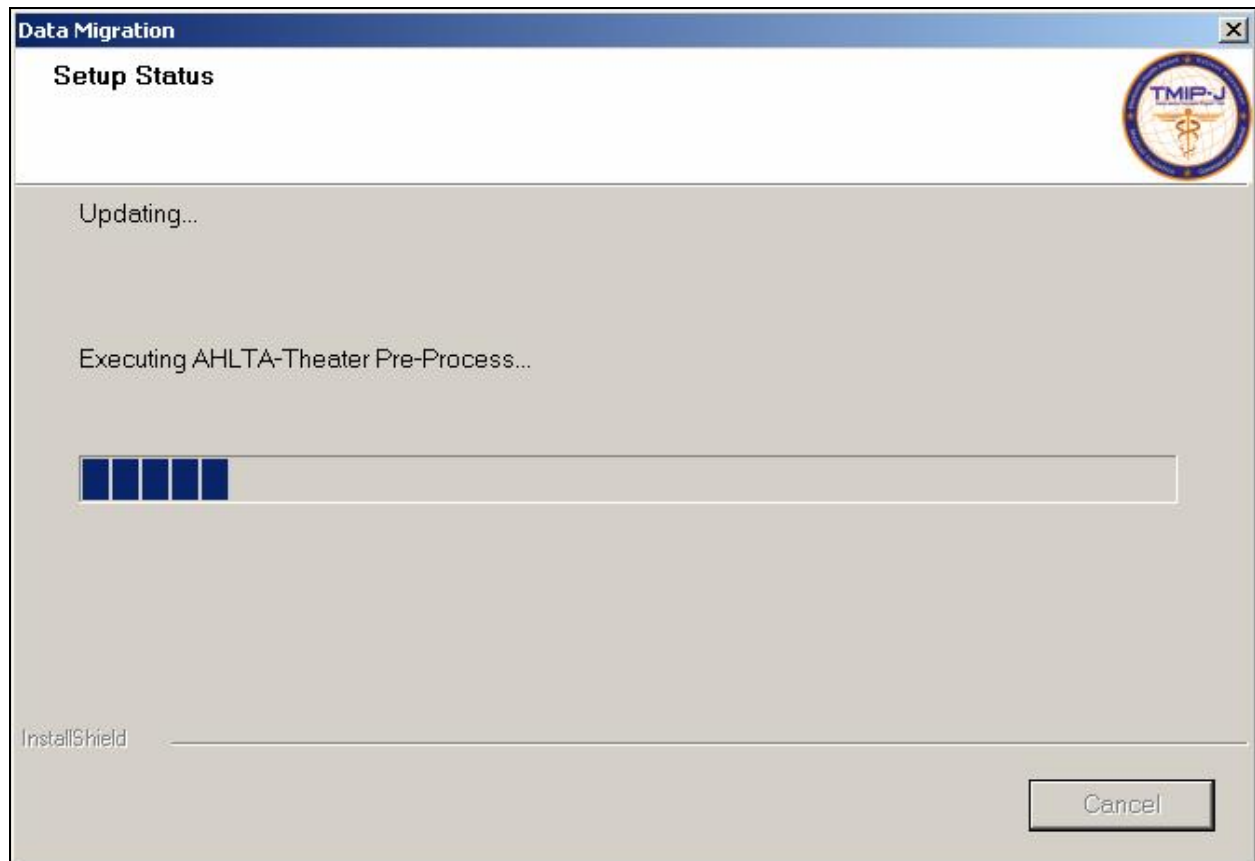


Figure 3-13 Data Migration Setup Status Screen

Step
31. The Data Migration process will require the approximate amount of time to complete screen appears (Figure 3-14).
32. Click OK .

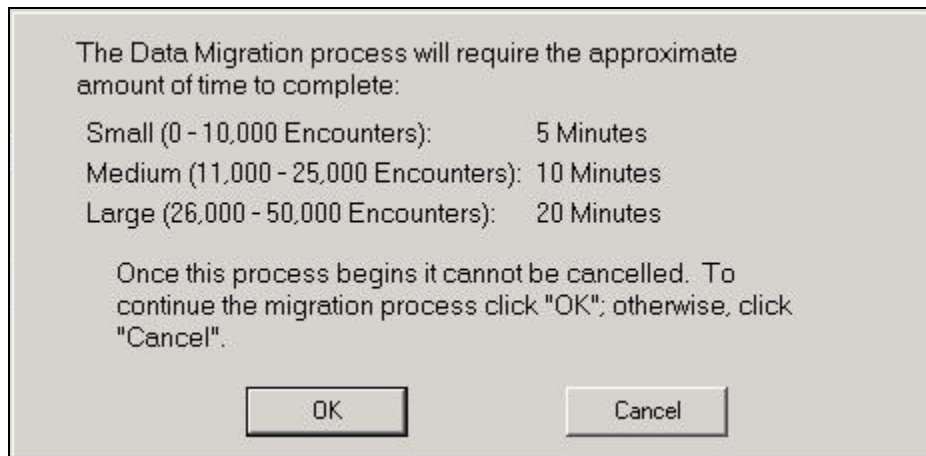


Figure 3-14 Data Migration Estimated Time to Complete Screen

Step
33. CHCSII-Theater Data Migration Manager screen appears (Figure 3-15) showing number of patches completed and the estimated time remaining for export.

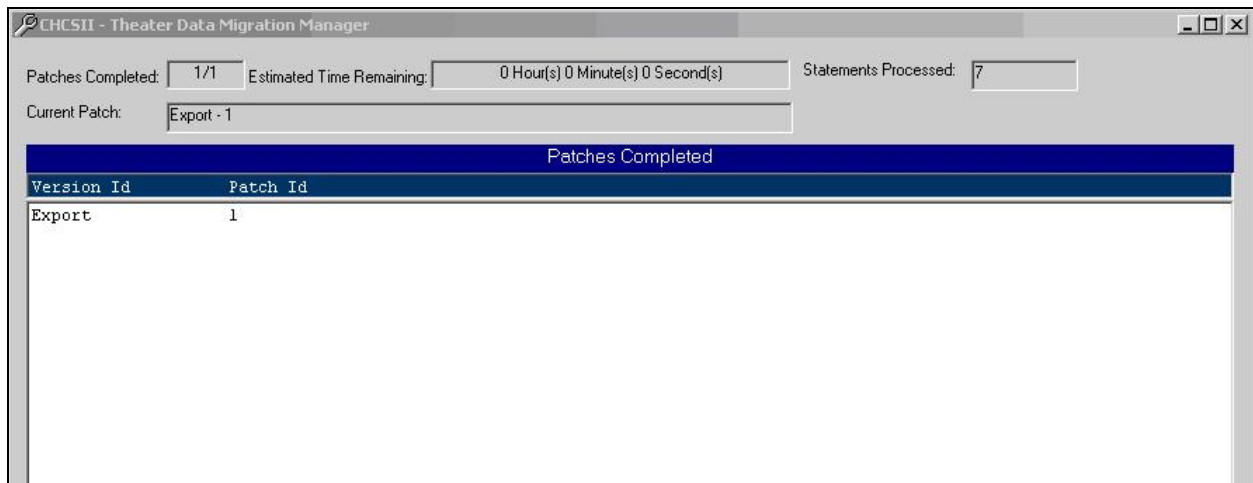


Figure 3-15 CHCSII-Theater Data Migration Manager Screen

Step

34. **Oracle DOS Export Data** screen for exporting data launches (**Figure 3-16**).

```

D:\oracle\ora81\bin\exp.exe
. exporting object type definitions for user GEMS
. exporting object type definitions for user GEMSA
. exporting object type definitions for user C2T_X
. exporting object type definitions for user SCADB
. exporting object type definitions for user SECADMIN
About to export GEMS's objects ...
. exporting database links
. exporting sequence numbers
. exporting cluster definitions
. about to export GEMS's tables via Conventional Path ...
. . exporting table          ABNORMAL_CODES          84 rows exported
. . exporting table          ACCESS_AUDIT              0 rows exported
. . exporting table          ACUTE_DIAGNOSES_CODES     638 rows exported
. . exporting table          ADEF                     0 rows exported
. . exporting table          ALERTS                    0 rows exported
. . exporting table          ALERT_ADE_DOCEUT_CONFIG   0 rows exported
. . exporting table          ALERT_TYPES              16 rows exported
. . exporting table          ALLERGEN                  0 rows exported
. . exporting table          ALLERGIES                 3 rows exported
. . exporting table          ALLERGIES_AUDIT           0 rows exported
. . exporting table          ALLERGY                   0 rows exported
. . exporting table          ALLERGYCOMMENT            3 rows exported
. . exporting table          ALLERGYCOMMENT_AUDIT      0 rows exported
. . exporting table          ALLERGYREACTION           3 rows exported
. . exporting table          ALLERGYREACTION_AUDIT
  
```

Figure 3-16 Oracle DOS Export Data Screen

Step

35. **CHCS II-Theater process completed successfully** screen appears (**Figure 3-17**).

36. Click **OK**.

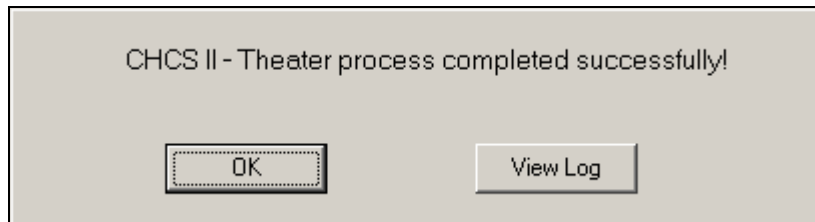


Figure 3-17 CHCS II-Theater Process Completed Successfully Screen

Step

37. Various sequence of **Data Migration Setup Status** screens appear (**Figure 3-18**) and (**Figure 3-19**).

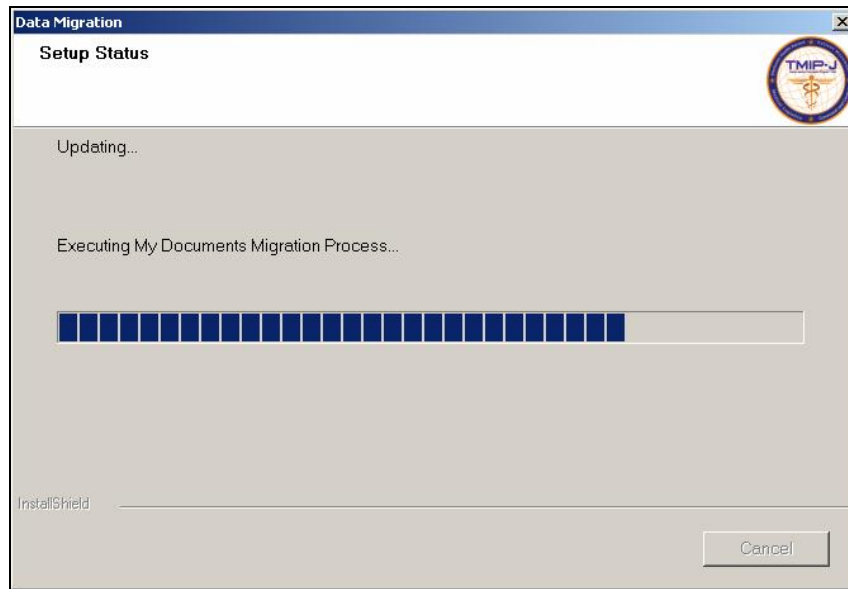


Figure 3-18 Data Migration Setup Status Screen

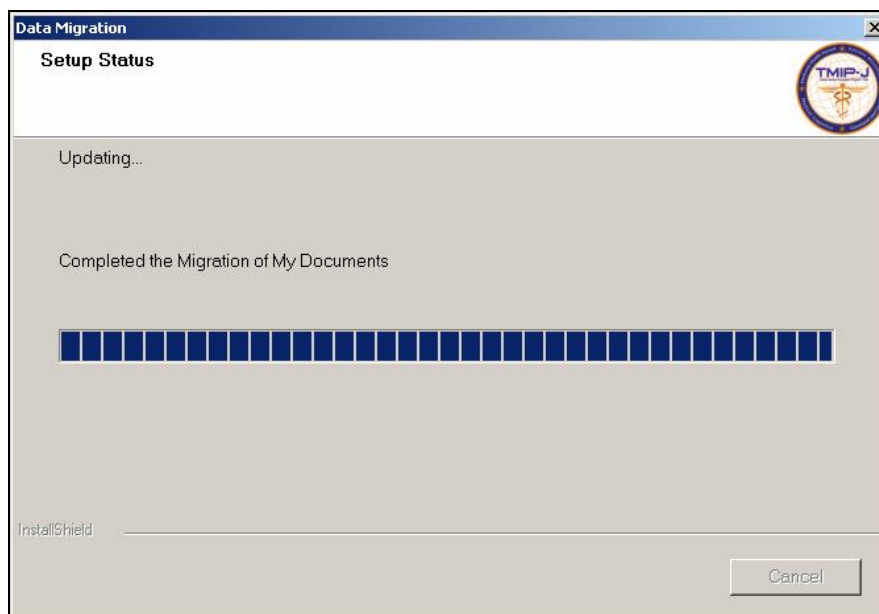


Figure 3-19 Data Migration Setup Status Screen - Continued

Step

38. **Task Status** screen appear displaying status of Oracle backup (**Figure 3-20**).

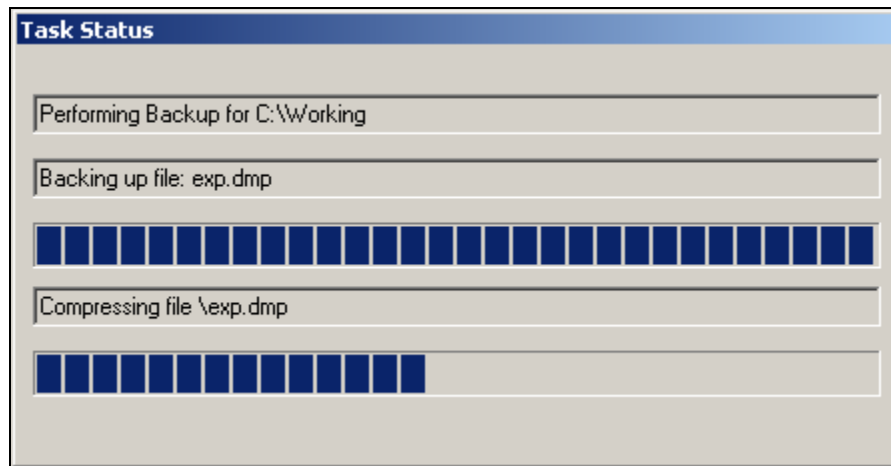


Figure 3-20 Task Status Screen

Step

39. **The Migration completed successfully** screen appears (**Figure 3-21**).

40. Click **OK**.



Figure 3-21 Migration Completed Successfully Screen

Step
41. Results of the Migration screen opens indicating Data Migration successes or failures (Figure 3-22).
42. Click Next .

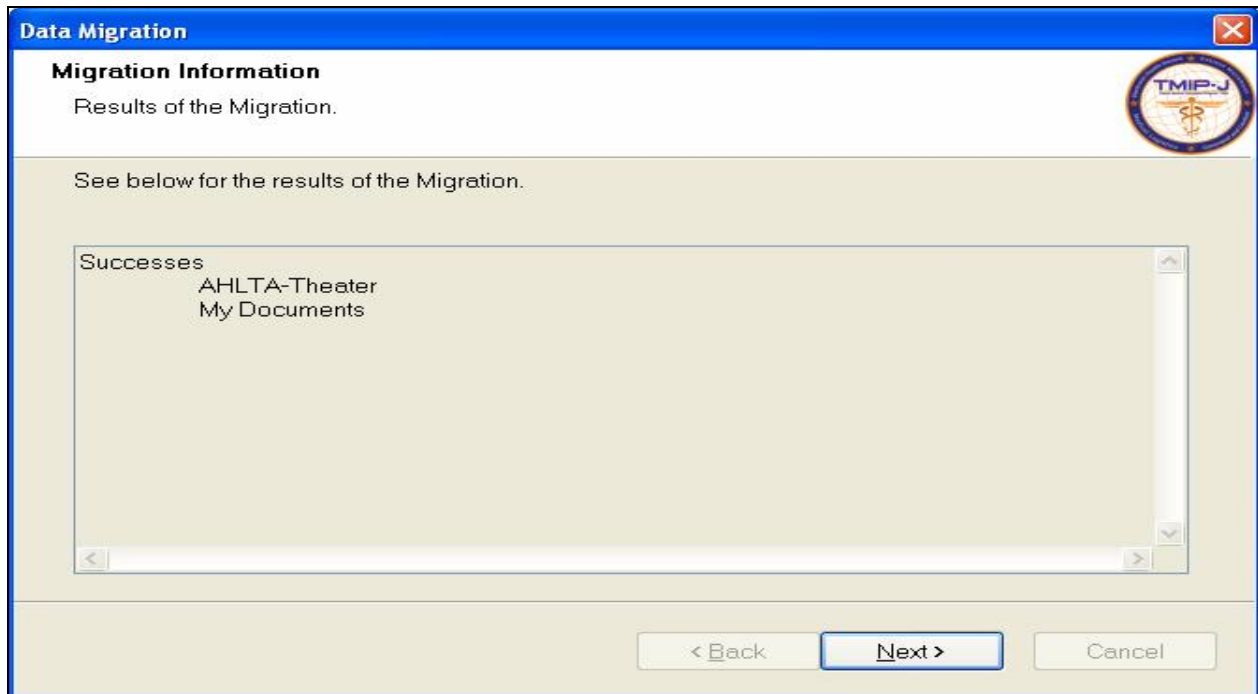


Figure 3-22 Results of Migration Screen

Step
43. Data Migration Complete screen appears (Figure 3-23).
44. Click Finish .

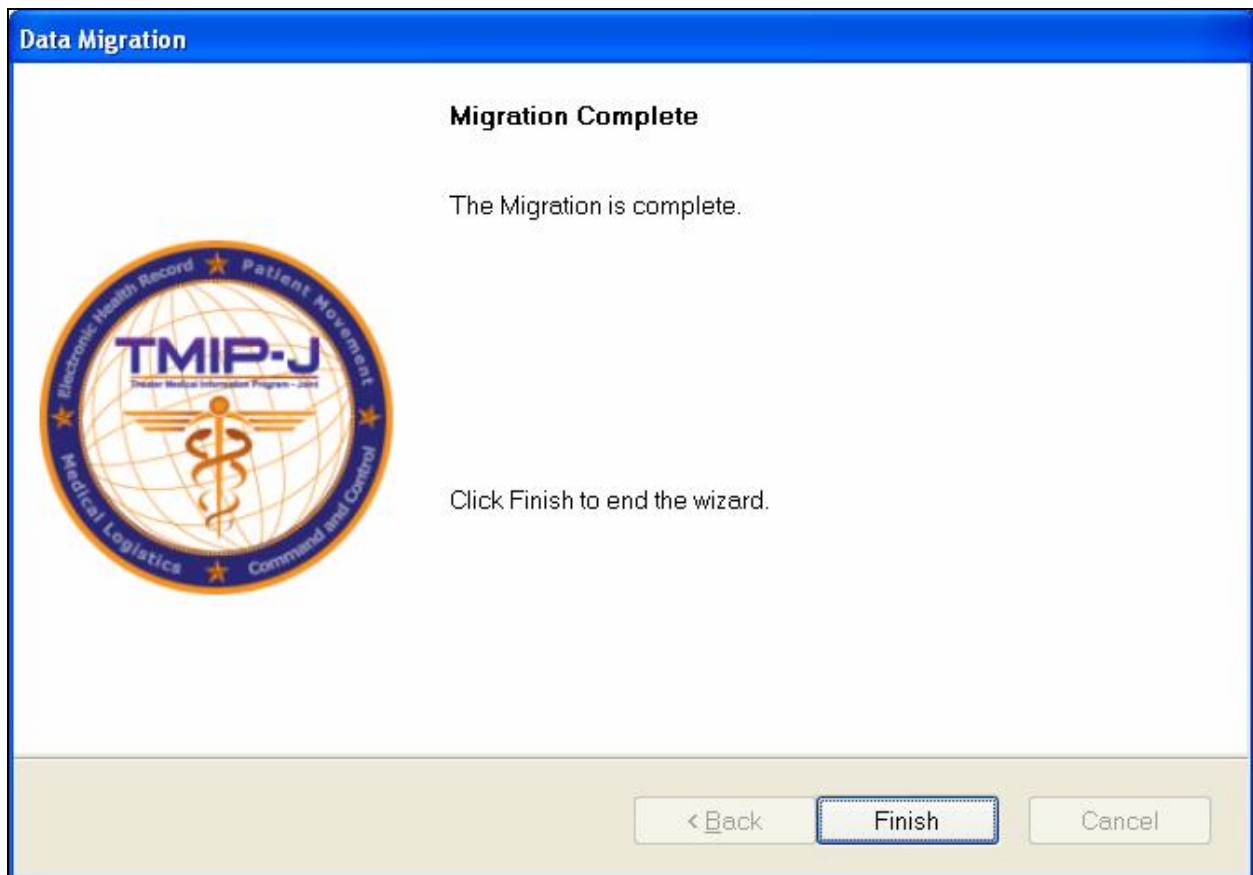


Figure 3-23 Migration Complete Screen

Step

45. Close **Readme.txt - Notepad** screen (**Figure 3-24**).

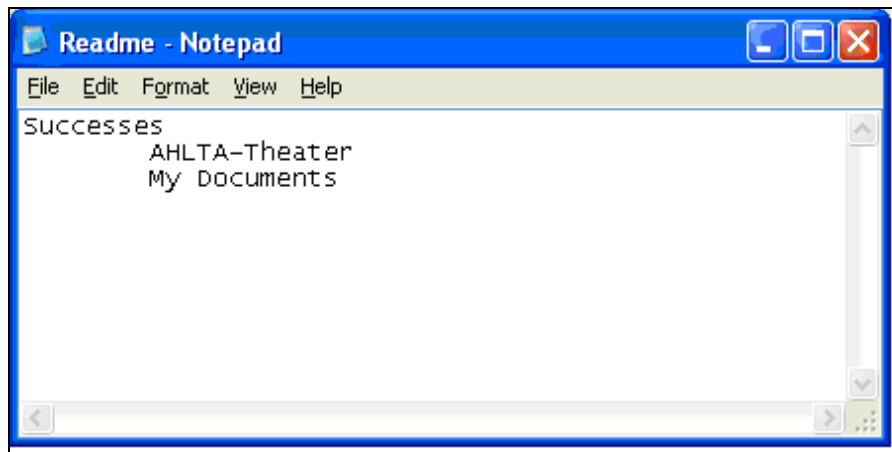


Figure 3-24 Readme.txt Notepad Screen

4.0 DATA MIGRATION – IMPORT

After a successful export of data from the B1 system, the SA must then import the data into the new B2 machine. The encrypted exported data is decrypted and migrated to the new system. Any information saved and migrated in the My Documents folder will be saved to the Restore folder created prior to running the Data Migration Utility.

Data Migration Utility expected runtime for importing of a small database (0-10,000 encounters) is approximately 1 hour and 35 minutes, a medium sized database (11,000-25,000 encounters) is approximately 2 hours and 15 minutes, and a large database (26,000-50,000 encounters) is approximately 3 hours and 15 minutes. If the Data Migration Utility has been successfully run on the B2 machine, the SA receives a warning window stating, “Migration has been completed on this machine. Do you want to continue?” If the SA chooses to continue, the data on the machine is overwritten with the new data.

Note: The TMIP-J version needs to be at least Version 1.1.2.2 Block 2 Release 1 Service Pack 2 (B2 R1 SP2) for the migration process to work.

Note: AHLTA-T and SAMS should not be used prior to the import portion of the Data Migration Utility because any data entered into either application will be overwritten during the import process on the B2 System.

Note: Data Migration process could fail if the user manually edits any entry in the tnsnames.ora file that has a SERVICE_NAME = ldb. Data Migration may not be able to properly determine if the database is configured as a remote client. The user should only use the provided tools to modify system configuration. On a B1 system, use the TMIP-J Configuration tool and on a B2 system, use the Oracle TnsNames Manager tool. See the TMIP-J SAM for additional information.

Step

1. Use Windows Explorer from Windows Desktop to navigate to the CD/DVD drive.
2. Double click on **setup.exe** file of Data Migration Utility (**Figure 4-1**). Data Migration Utility is found on B2FY07SP1-DVD04 DVD.

Note: Data Migration Utility **CANNOT** be executed from a network location.

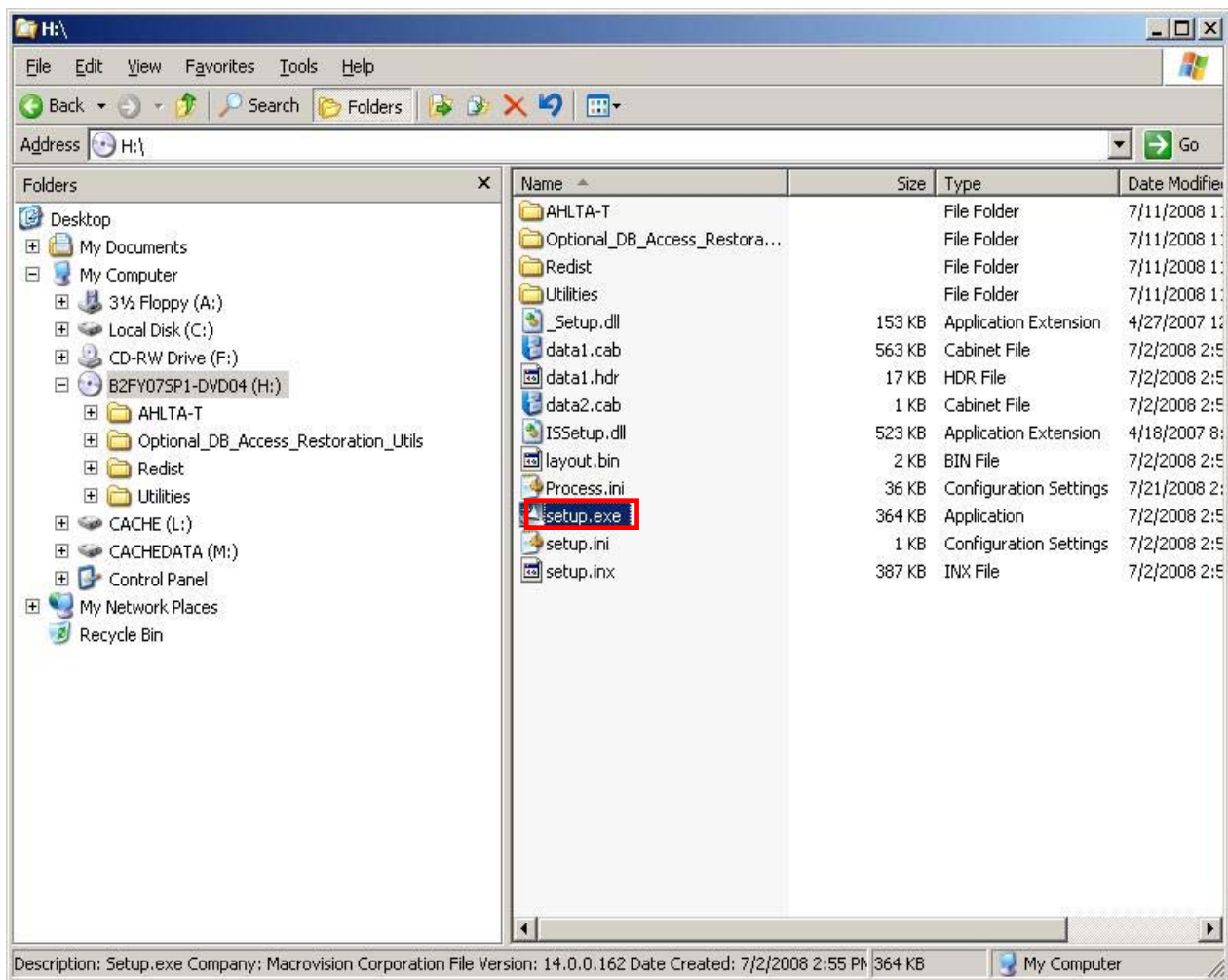


Figure 4-1 Data Migration setup.exe Screen

Step
3. Welcome to the Data Migration Wizard screen appears (Figure 4-2).
4. Select Next .

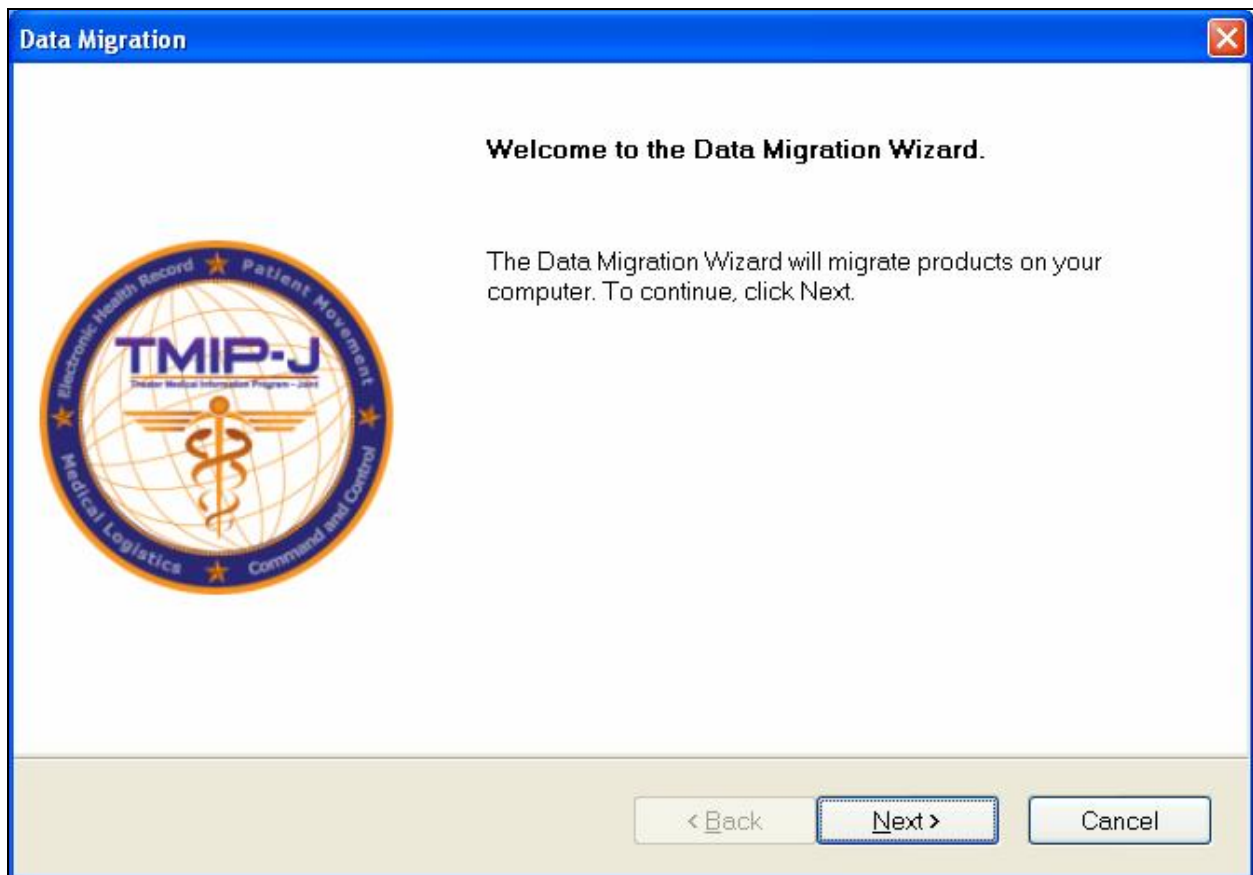


Figure 4-2 Welcome to the Data Migration Wizard Screen

Step

Note: If the following **Error** message screen appears (**Figure 4-3**), migration process cannot continue because (TMIP B1 SP5 or TMIP B2 R1 SP2 or TMIP B2 FY07 SP1) product is not installed.

By selecting **OK**, the install process will terminate.

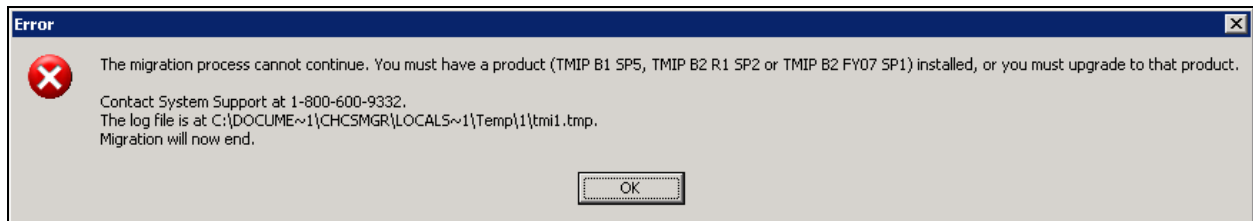


Figure 4-3 Data Migration Error Screen

Step
5. Data Migration Guide dialog screen appears (Figure 4-4).
6. Select OK .



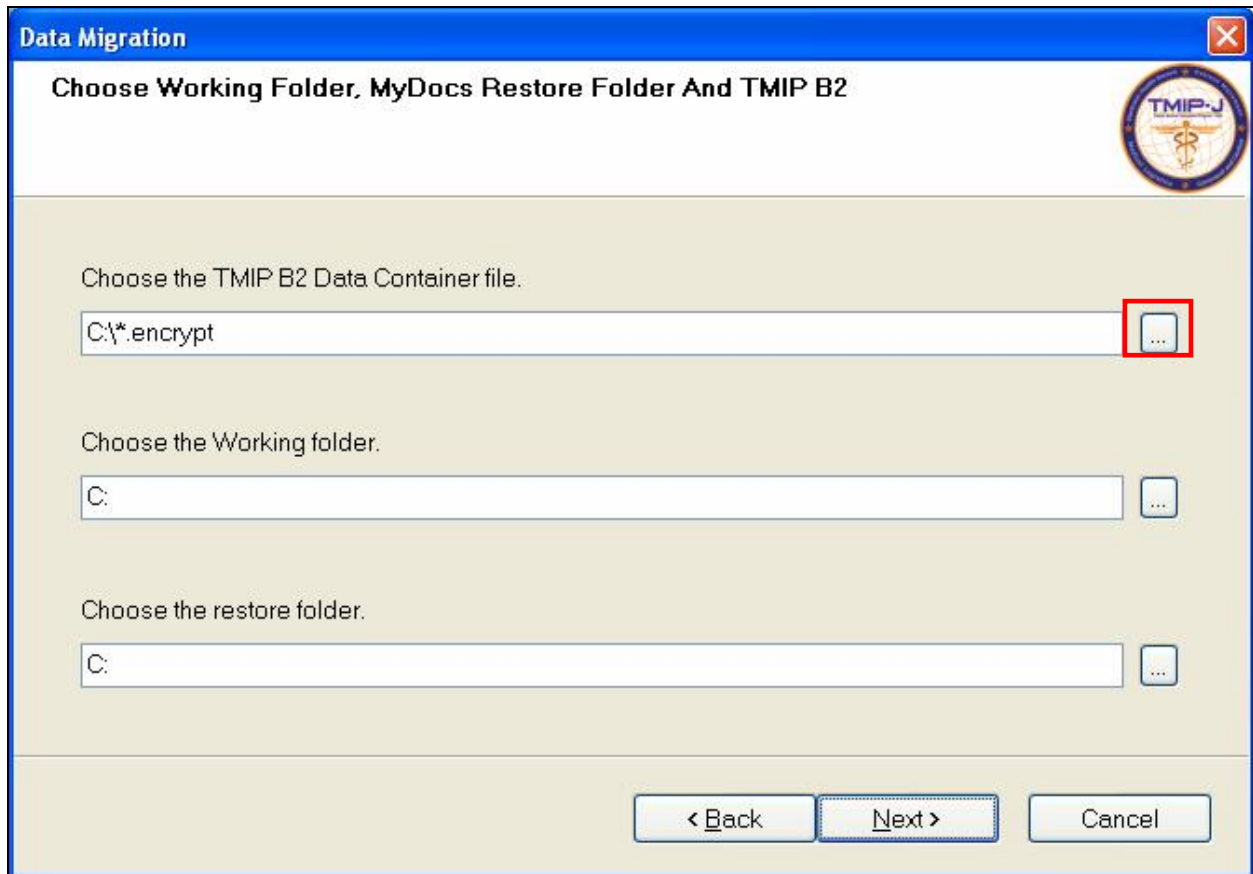
Figure 4-4 Data Migration Guide Dialog Screen

Step
7. Data Migration remote users warning screen appears (Figure 4-5).
8. Select OK .



Figure 4-5 Data Migration Remote Users Warning Screen

Step
9. Choose Working Folder, MyDocs Restore Folder And TMIP B2 screen appears (Figure 4-6).
10. Select the browse button [...] to locate TMIP B2 Data Container file .



Data Migration

Choose Working Folder, MyDocs Restore Folder And TMIP B2

Choose the TMIP B2 Data Container file.

C:*.encrypt

Choose the Working folder.

C:

Choose the restore folder.

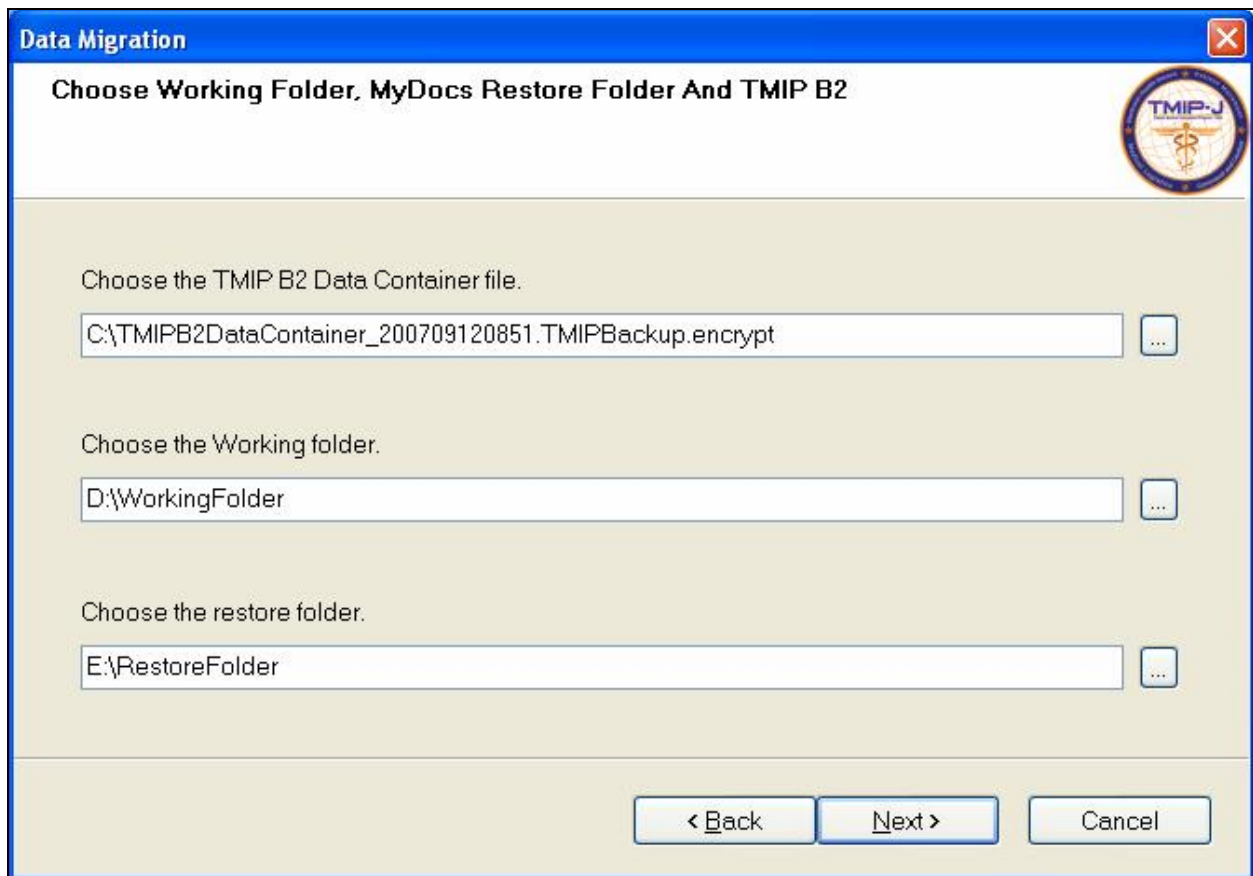
C:

< Back Next > Cancel

Figure 4-6 Choose Working Folder, MyDocs Restore Folder And TMIP B2 Screen

Step

11. Select **TMIPB2DataContainer** folder from the **Select File** screen. This will prefill the **Choose the TMIP B2 Data Container file** field (**Figure 4-7**).
12. Enter **WorkingFolder** in the **Choose the Working folder** field.
13. Enter **RestoreFolder** in the **Choose the restore folder** field.
14. Click **Next**.



Data Migration

Choose Working Folder, MyDocs Restore Folder And TMIP B2

Choose the TMIP B2 Data Container file.

C:\TMIPB2DataContainer_200709120851.TMIPBackup.encrypt

Choose the Working folder.

D:\WorkingFolder

Choose the restore folder.

E:\RestoreFolder

< Back Next > Cancel

Figure 4-7 Select TMIPB2DataContainer Folder from Select File – Completed Screen

Step

Note: Depending on which version of TMIP-J software running, either Figure 4-8 or Figure 4-9 will display. Follow the step listed under the correct version displayed figure.

15. **Select the Product to migrate to:** screen appears (**Figure 4-8**).

16. Select **TMIP B2 R1 SP2**.

17. Click **Next**.

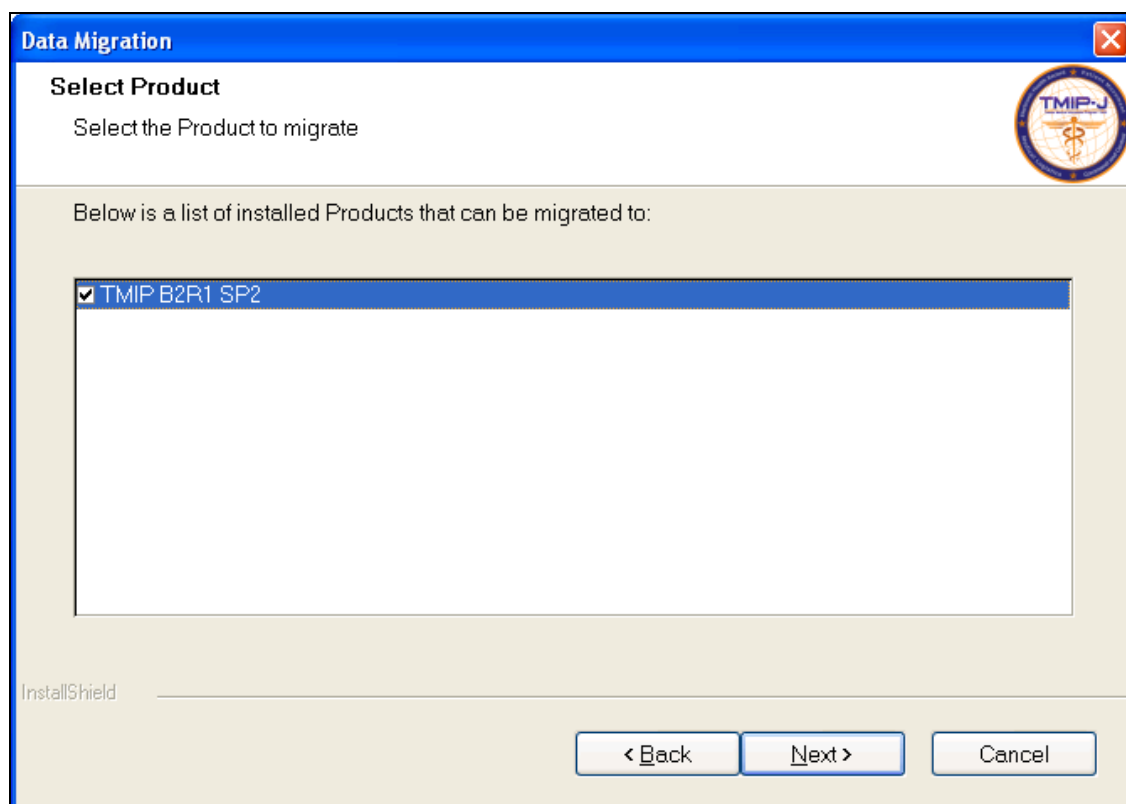


Figure 4-8 Select the Product to Migrate Screen

Step

18. **List of Components to migrate** screen appears (**Figure 4-11**).

19. Click **Next**.

Step

20. **Select the Product to migrate to:** screen appears (Figure 4-9).
21. Select **TMIP B2 FY07 SP1**.
22. Click **Next**.

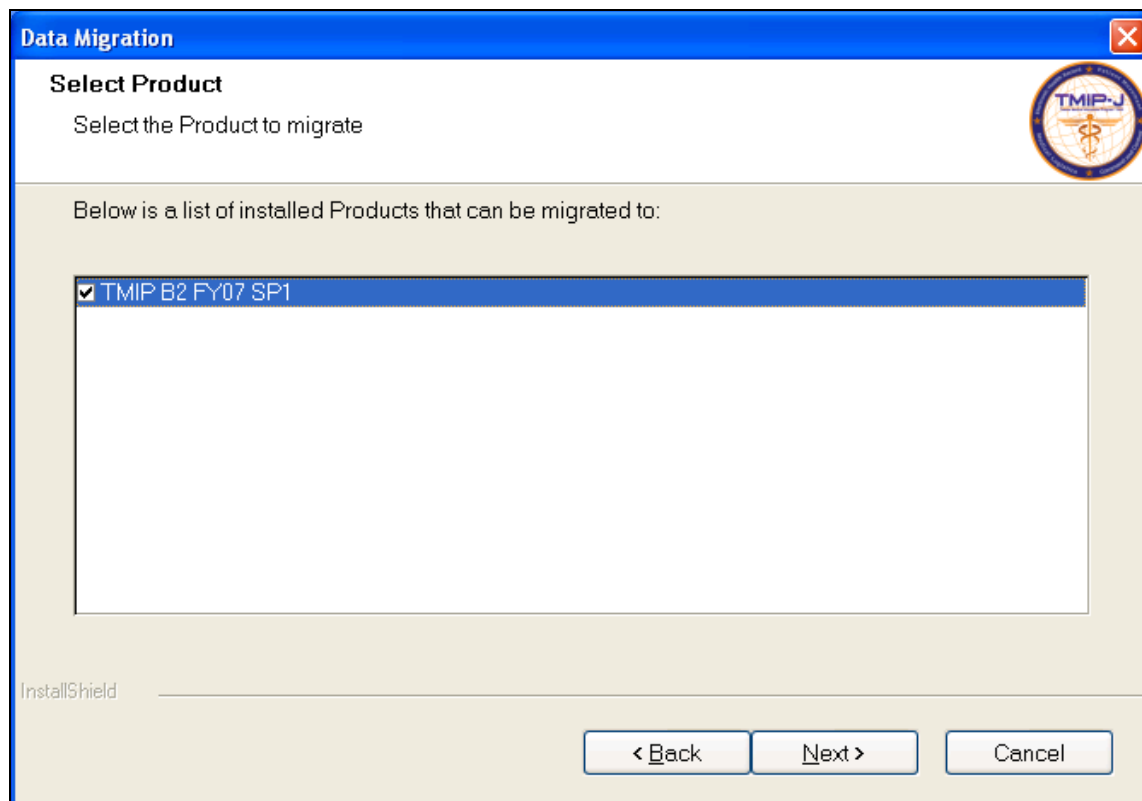


Figure 4-9 Select the Product to Migrate Screen

Step
23. List of Components to migrate screen appears (Error! Reference source not found.).
24. Click Next .

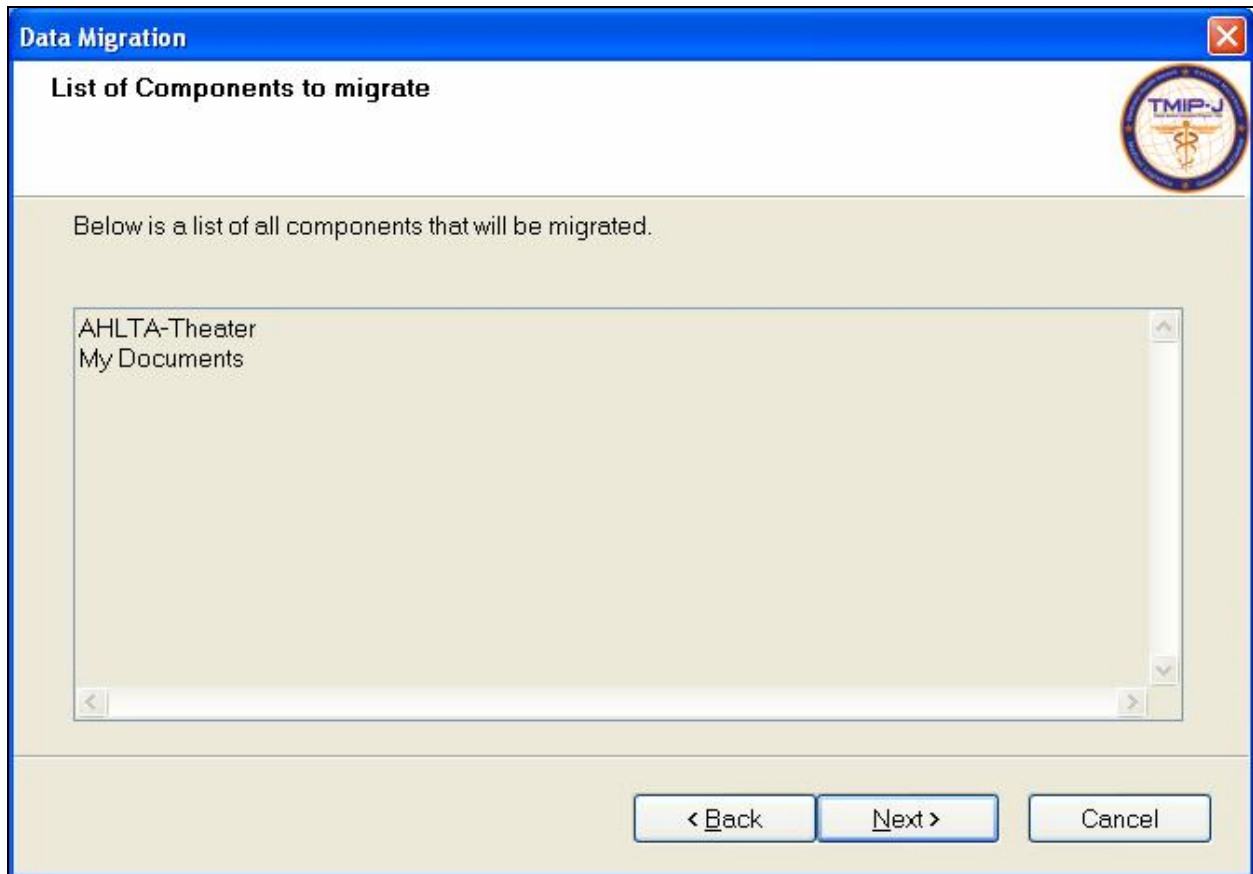
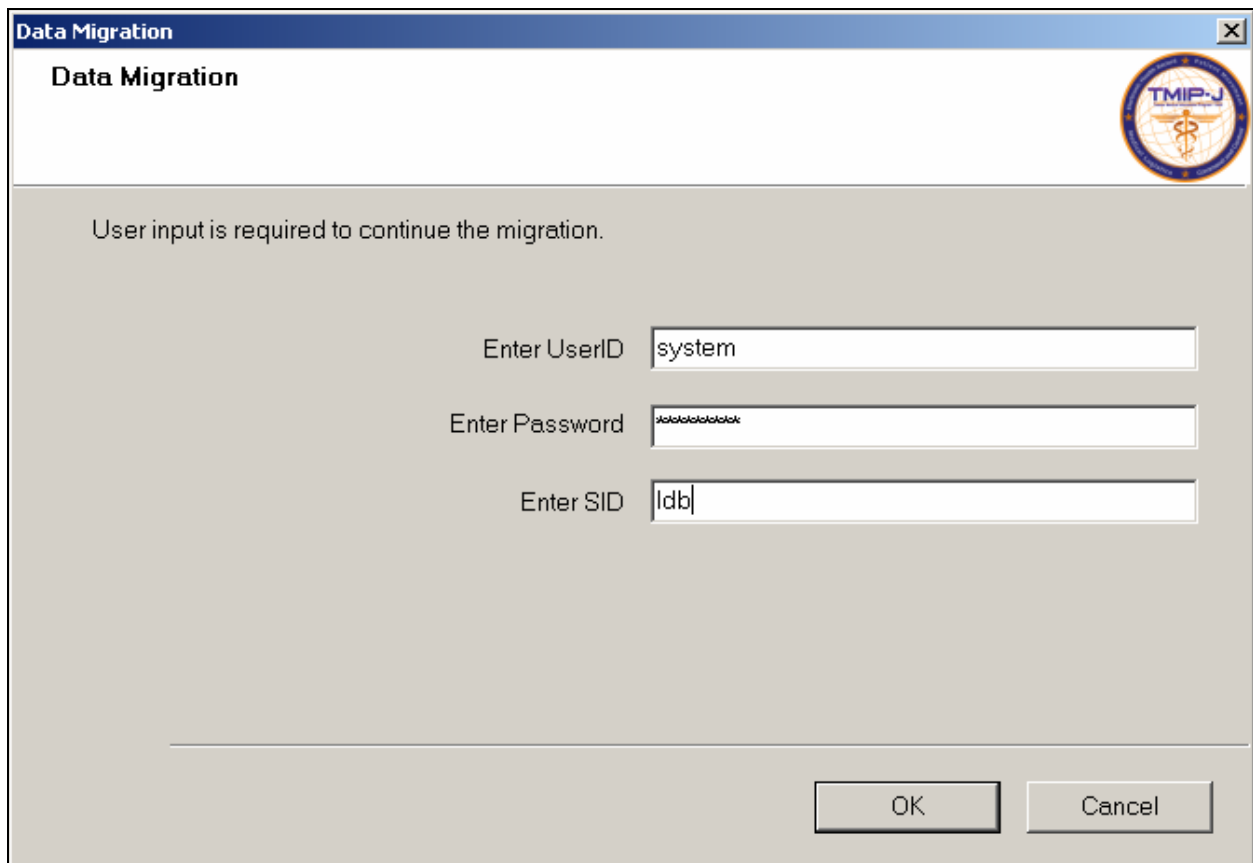


Figure 4-10 List of Components to Migrate Screen

Step
25. Data Migration User input screen appears (Figure 4-11).
26. Enter Oracle System UserID - system .
27. Enter Oracle System Password .
28. Enter SID - ldb .
29. Click OK .



The screenshot shows a Windows-style dialog box titled "Data Migration". Inside the dialog, there is a header area with the title "Data Migration" and a logo on the right. Below the header, a message states "User input is required to continue the migration." There are three input fields arranged vertically: "Enter UserID" containing the text "system", "Enter Password" containing masked characters (asterisks), and "Enter SID" containing the text "ldb". At the bottom right of the dialog, there are two buttons: "OK" and "Cancel".

Figure 4-11 Data Migration User Input Screen

Step

30. Task Status screens showing status of Oracle backup appears (**Figure 4-12**) and (**30 31. Figure 4-13**). No user interaction for these screens is required.

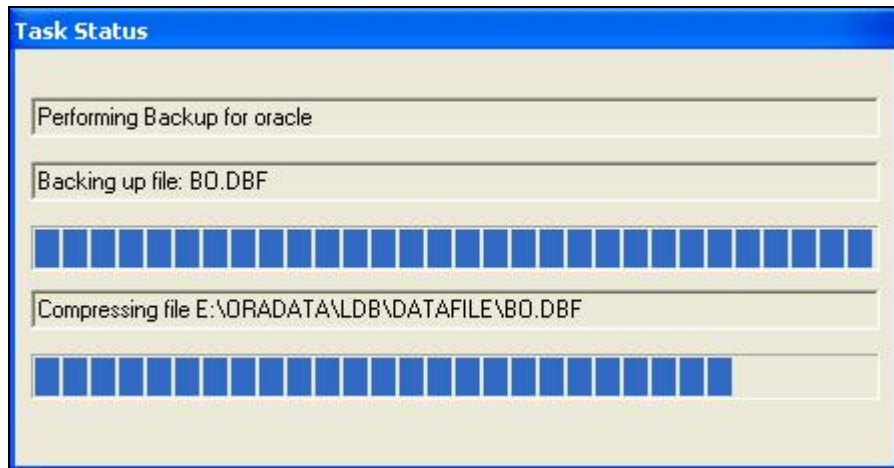
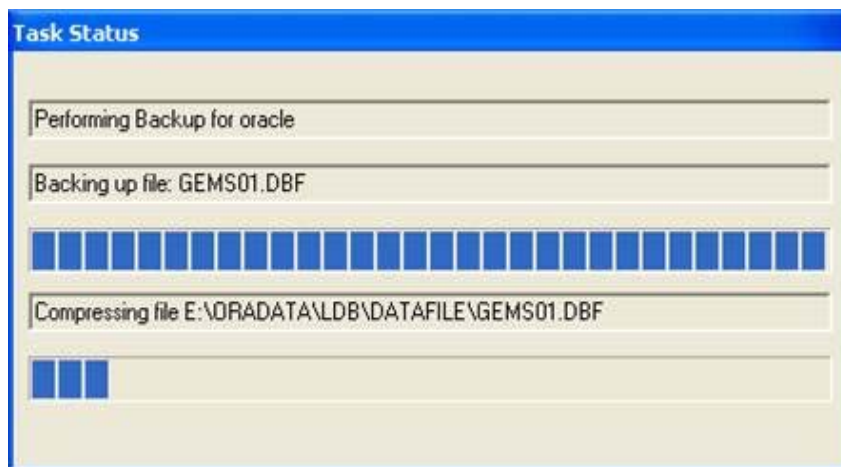


Figure 4-12 Task Status Screen



30

Figure 4-13 Task Status Screen - Continued

Step

32. **Setup Status** screen displays with status bar advancing as the data is imported (**Figure 4-14**).

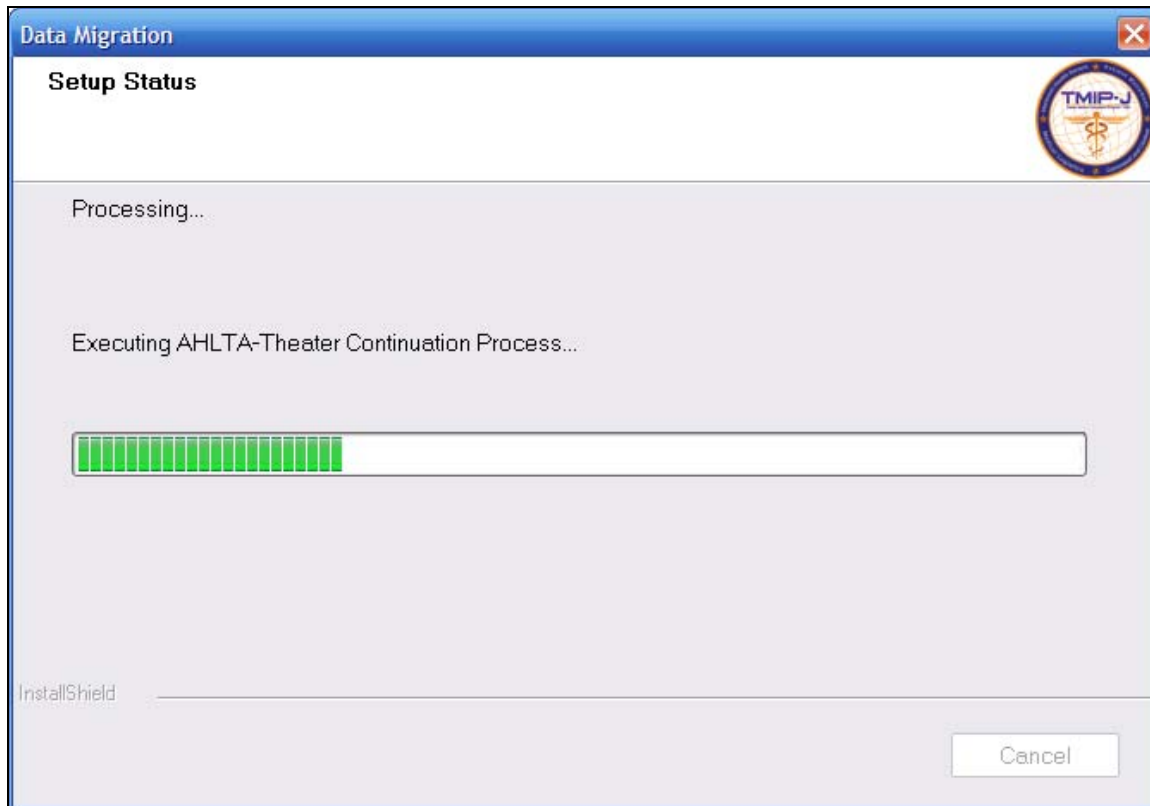


Figure 4-14 Setup Status Screen

Step
33. Existing data in the application database warning dialog box appears (Figure 4-15).
34. Click OK .

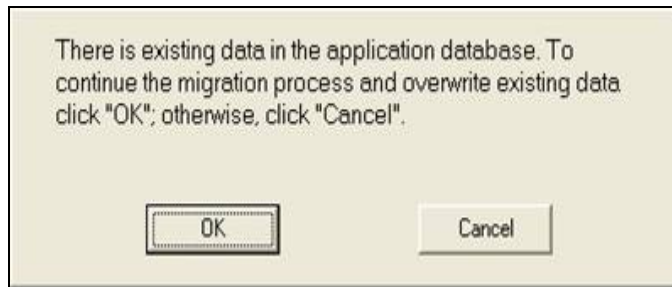


Figure 4-15 There Is Existing Data in the Application Database Warning Dialog Box

Step
35. Data Migration estimated time to complete screen launches (Figure 4-16).
36. Click OK .



Figure 4-16 Data Migration Estimated Time to Complete Screen

Step

37. **AHLTA-Theater Data Migration Manager** screen (**Figure 4-17**) opens to show number of patches completed and the estimated time remaining for import.

AHLTA - Theater Data Migration Manager

Patches Completed: 0/1 Estimated Time Remaining: 4 Hour(s) 9 Minute(s) 50 Second(s) Statements Processed: 2

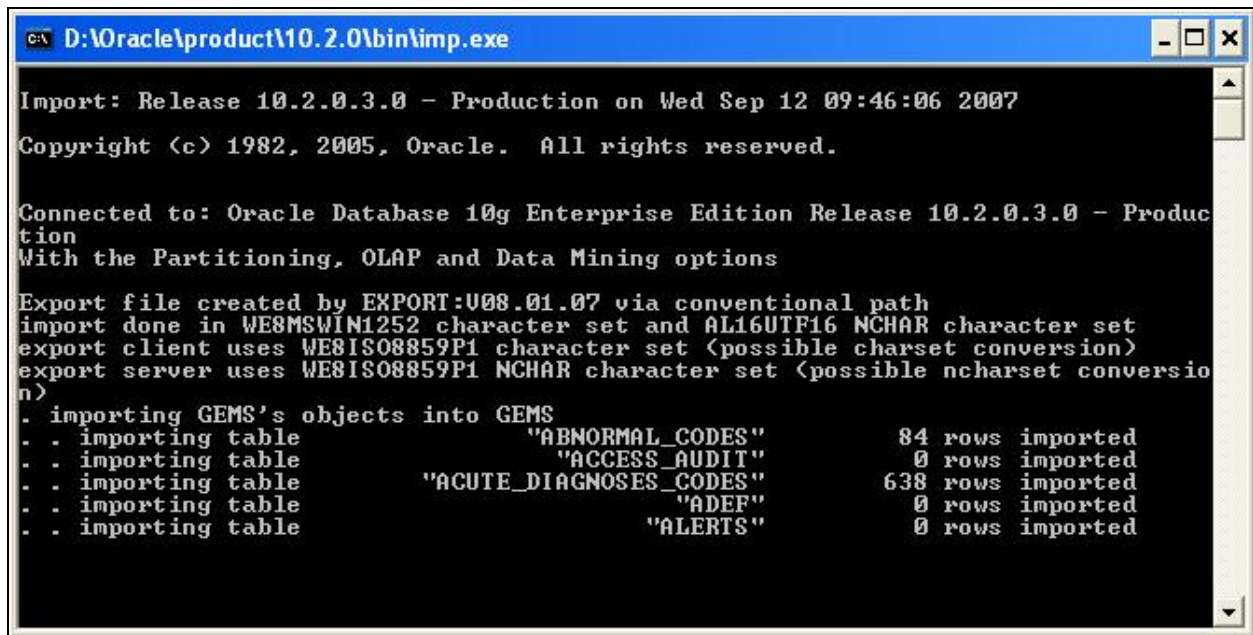
Current Patch: MIGRATE - 1

Patches Completed	
Version Id	Patch Id

Figure 4-17 AHLTA-Theater Data Migration Manager Screen

Step

38. DOS window for Oracle Product Import screen appears (**Figure 4-18**).



```
C:\> D:\Oracle\product\10.2.0\bin\imp.exe

Import: Release 10.2.0.3.0 - Production on Wed Sep 12 09:46:06 2007
Copyright (c) 1982, 2005, Oracle. All rights reserved.

Connected to: Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production
With the Partitioning, OLAP and Data Mining options

Export file created by EXPORT:V08.01.07 via conventional path
import done in WE8MSWIN1252 character set and AL16UTF16 NCHAR character set
export client uses WE8ISO8859P1 character set (possible charset conversion)
export server uses WE8ISO8859P1 NCHAR character set (possible ncharset conversion)

. importing GEMS's objects into GEMS
. . importing table          "ABNORMAL_CODES"          84 rows imported
. . importing table          "ACCESS_AUDIT"             0 rows imported
. . importing table          "ACUTE_DIAGNOSES_CODES"    638 rows imported
. . importing table          "ADEP"                     0 rows imported
. . importing table          "ALERTS"                   0 rows imported
```

Figure 4-18 DOS Screen for Oracle Product Importing

Step

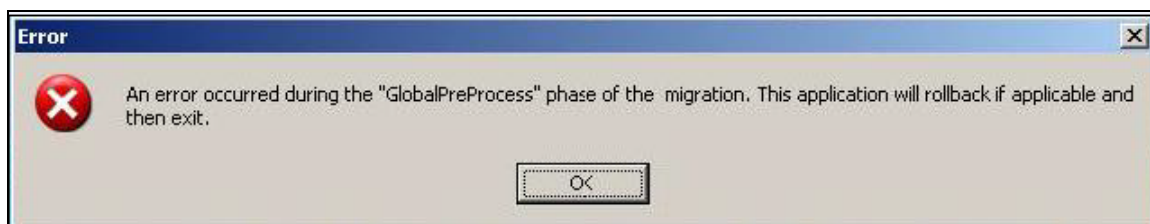
39. **AHLTA-Theater Data Migration Manager** screen (**Figure 4-19**) opens to show number of patches completed and the estimated time remaining for import.



Figure 4-19 AHLTA-Theater Data Migration Manager Screen

Step

Note: If connectivity to the Oracle database is lost during the Data Migration process, this screen may appear. If this screen does appear, the Data Migration process will stop and roll back if necessary.



Step

40. **AHLTA-Theater process completed successfully** screen appears (**Figure 4-20**).

41. Click **OK**.

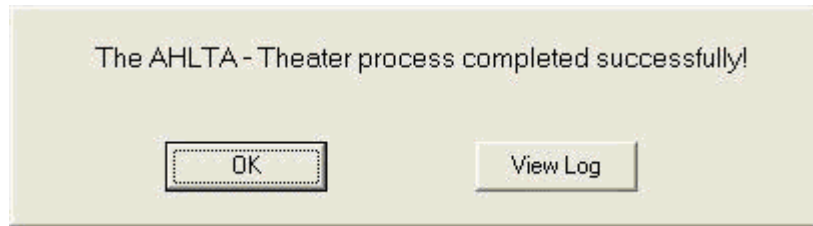


Figure 4-20 AHLTA-Theater Process Completed Successfully Screen

Step

42. The following screens are a sequence of setup status screens that require no user interaction
(**Figure 4-21** through **Figure 4-24**).

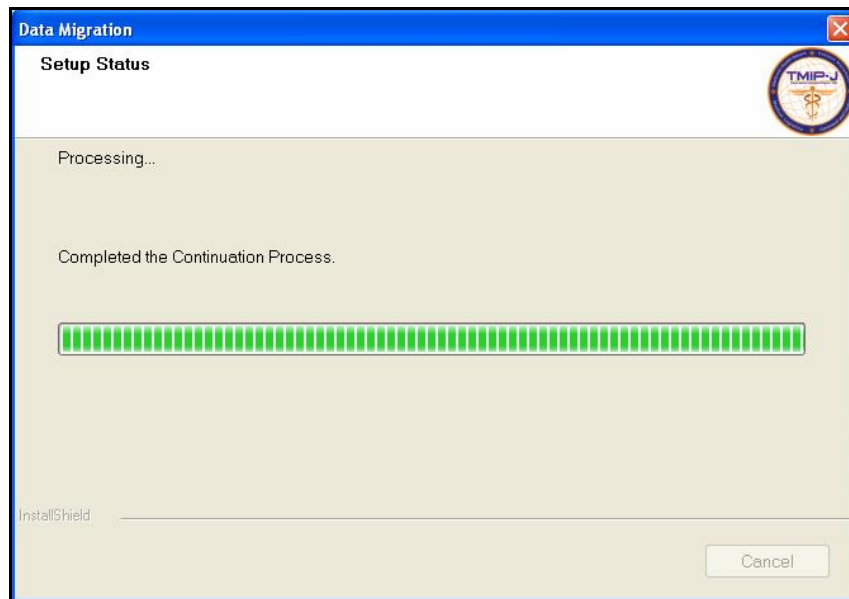


Figure 4-21 Setup Status Continuation Process Screen

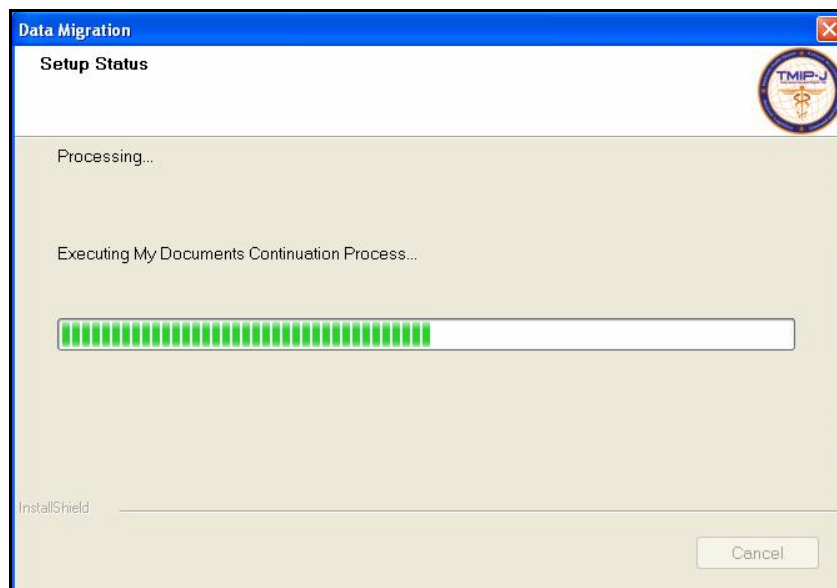


Figure 4-22 Setup Status My Documents Continuation Process Screen - Continued

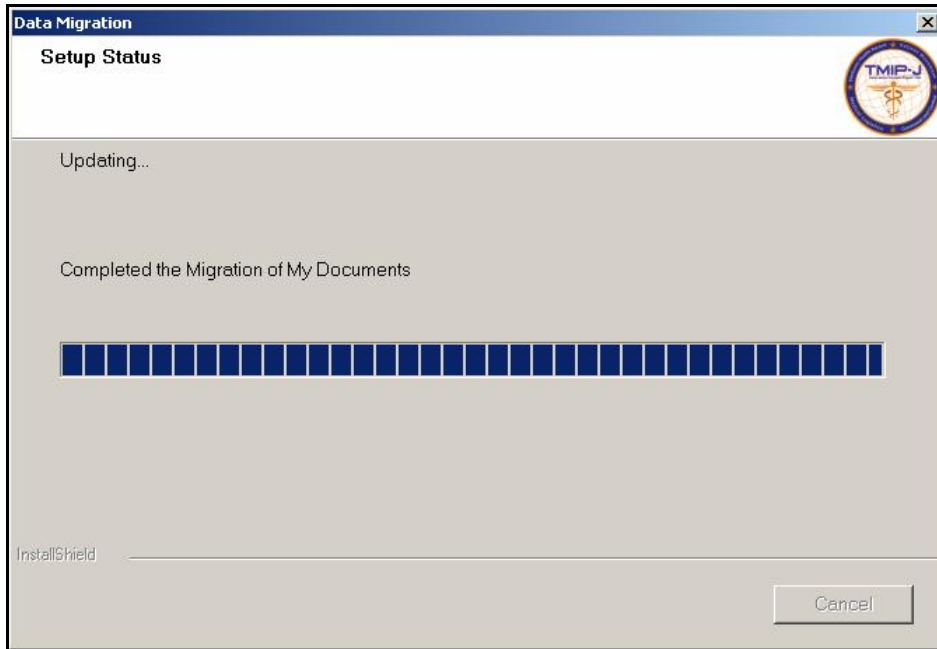


Figure 4-23 Completed Migration of My Documents Screen - Continued

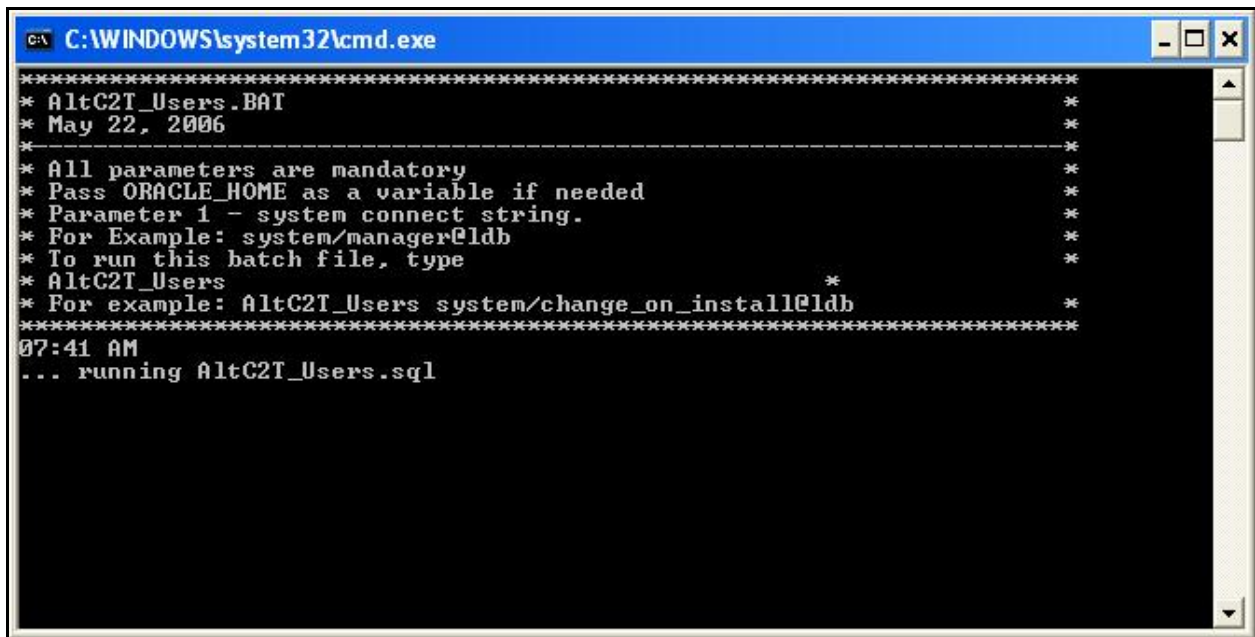


Figure 4-24 DOS Compile Screen

Step
43. BoCSharpCompiler Please Logon screen appears (Figure 4-25).

Step
44. Enter Sys Admin User ID - sys.
45. Enter Password .
46. Enter SID - LDB.
47. Click OK .

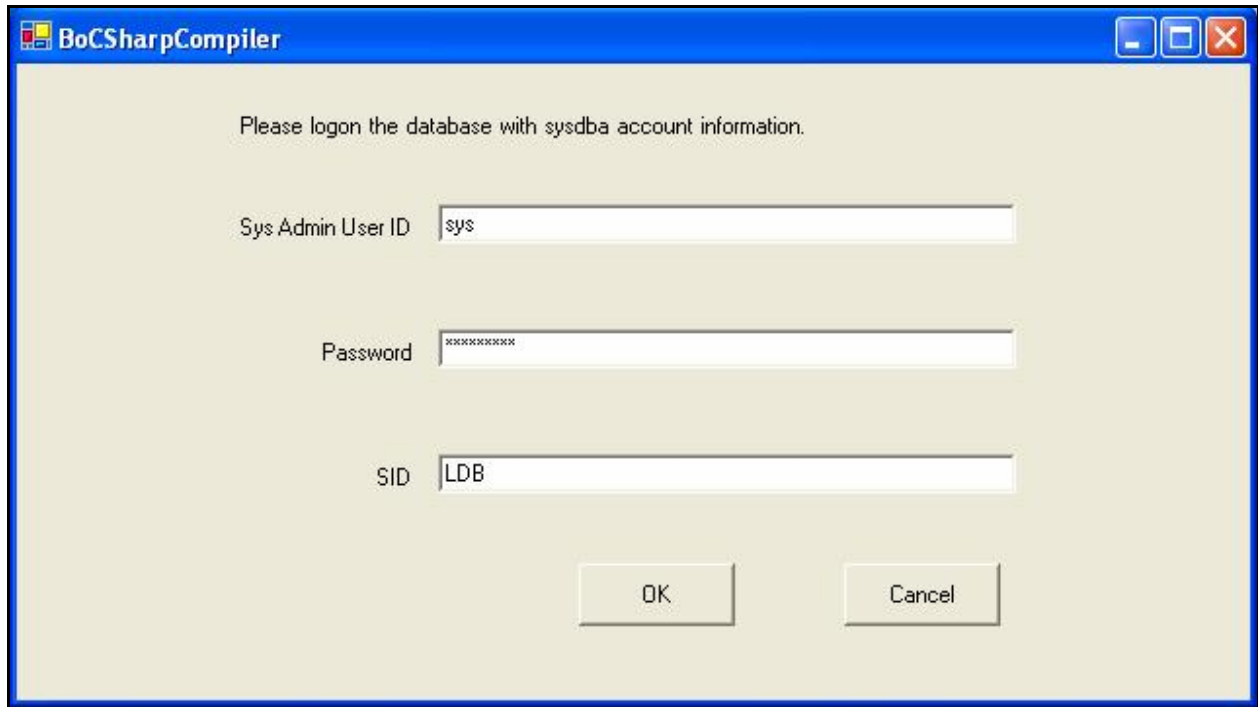
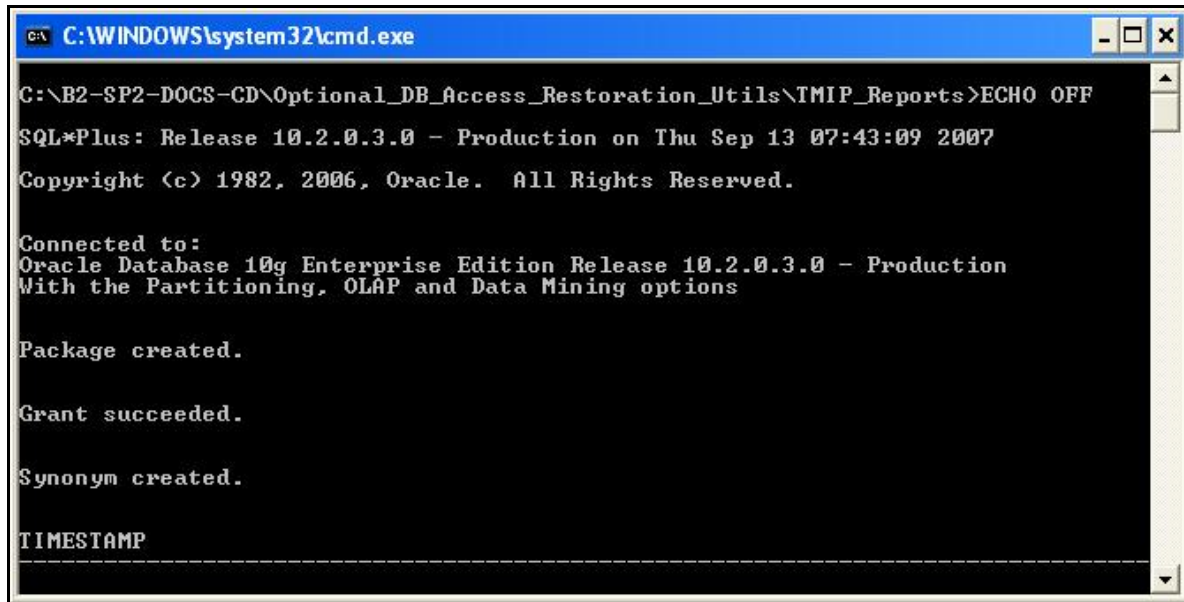


Figure 4-25 BoCSharpCompiler Logon Screen

Step

48. BoCSharpCompiler logon to database screens appear (Figure 4-26) and (Figure 4-27).



```
C:\WINDOWS\system32\cmd.exe

C:\B2-SP2-DOCS-CD\Optional_DB_Access_Restoration_Utills\TMIP_Reports>ECHO OFF
SQL*Plus: Release 10.2.0.3.0 - Production on Thu Sep 13 07:43:09 2007
Copyright (c) 1982, 2006, Oracle. All Rights Reserved.

Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production
With the Partitioning, OLAP and Data Mining options

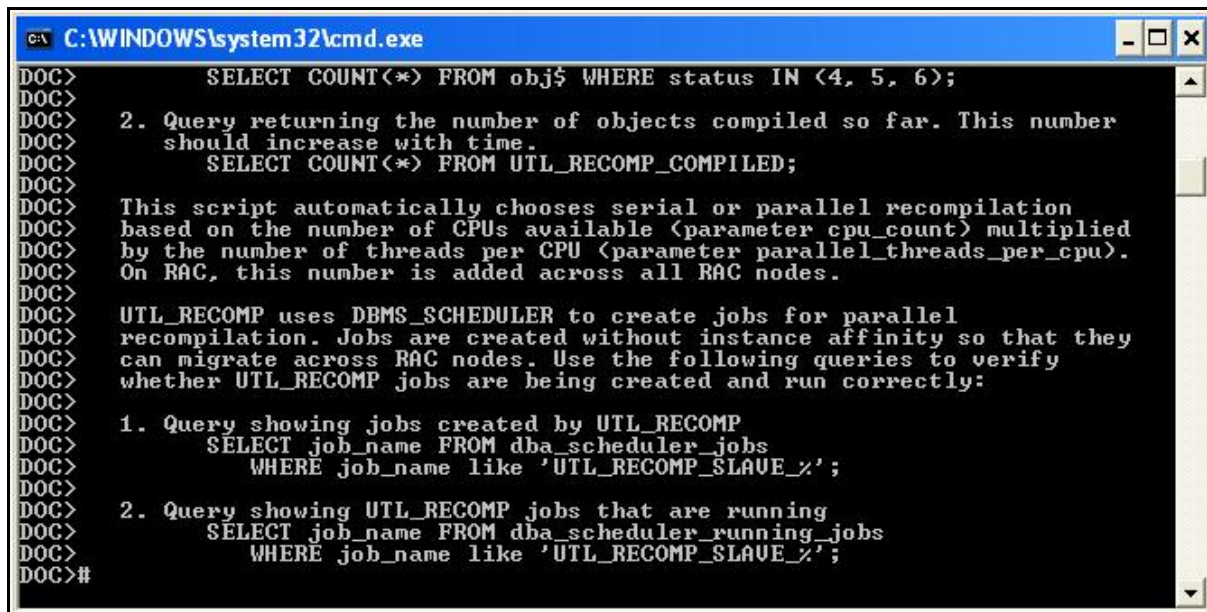
Package created.

Grant succeeded.

Synonym created.

TIMESTAMP
-----
```

Figure 4-26 BoCSharpCompiler Package Screen



```
C:\WINDOWS\system32\cmd.exe

DOC> SELECT COUNT(*) FROM obj$ WHERE status IN (4, 5, 6);
DOC>
DOC> 2. Query returning the number of objects compiled so far. This number
DOC> should increase with time.
DOC> SELECT COUNT(*) FROM UTL_RECOMP_COMPILED;
DOC>
DOC> This script automatically chooses serial or parallel recompilation
DOC> based on the number of CPUs available (parameter cpu_count) multiplied
DOC> by the number of threads per CPU (parameter parallel_threads_per_cpu).
DOC> On RAC, this number is added across all RAC nodes.
DOC>
DOC> UTL_RECOMP uses DBMS_SCHEDULER to create jobs for parallel
DOC> recompilation. Jobs are created without instance affinity so that they
DOC> can migrate across RAC nodes. Use the following queries to verify
DOC> whether UTL_RECOMP jobs are being created and run correctly:
DOC>
DOC> 1. Query showing jobs created by UTL_RECOMP
DOC> SELECT job_name FROM dba_scheduler_jobs
DOC> WHERE job_name like 'UTL_RECOMP_SLAVE_%';
DOC>
DOC> 2. Query showing UTL_RECOMP jobs that are running
DOC> SELECT job_name FROM dba_scheduler_running_jobs
DOC> WHERE job_name like 'UTL_RECOMP_SLAVE_%';
DOC>#
```

Figure 4-27 DOS Compile Files Screen

Step
49. BoCSharpCompiler Script Finish screen appears (Figure 4-28). 50. Click OK .

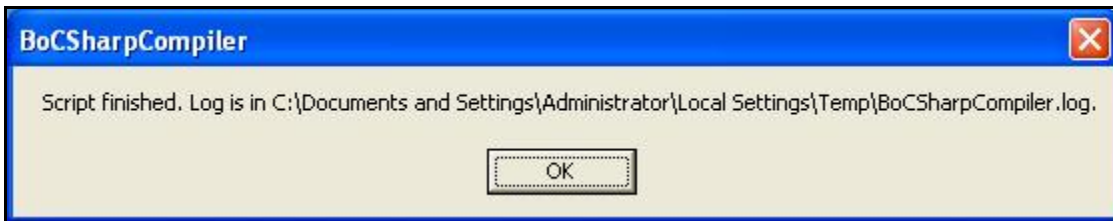


Figure 4-28 BoCSharpCompiler Script Finish Screen

Step
51. The Migration completed successfully screen appears (Figure 4-29). 52. Click OK .

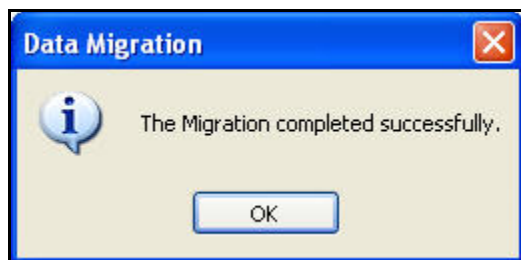


Figure 4-29 Migration Completed Successfully Screen

Step
53. Results of the Migration screen (Figure 4-30) displaying data migration successes or failures appear.
54. Click Next .

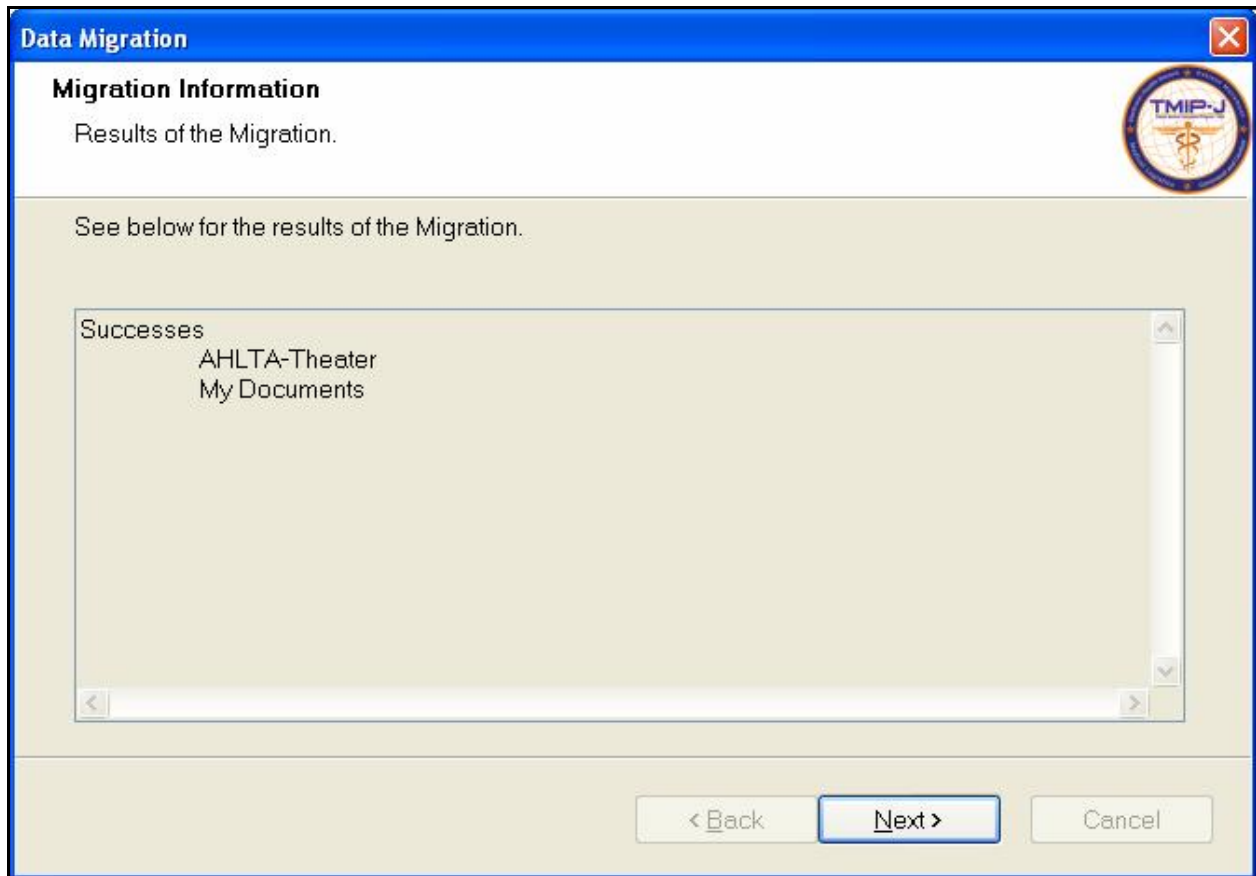


Figure 4-30 Results of the Migration Screen

Step
55. Data Migration Complete screen appears (Figure 4-31).
56. Click Finish .

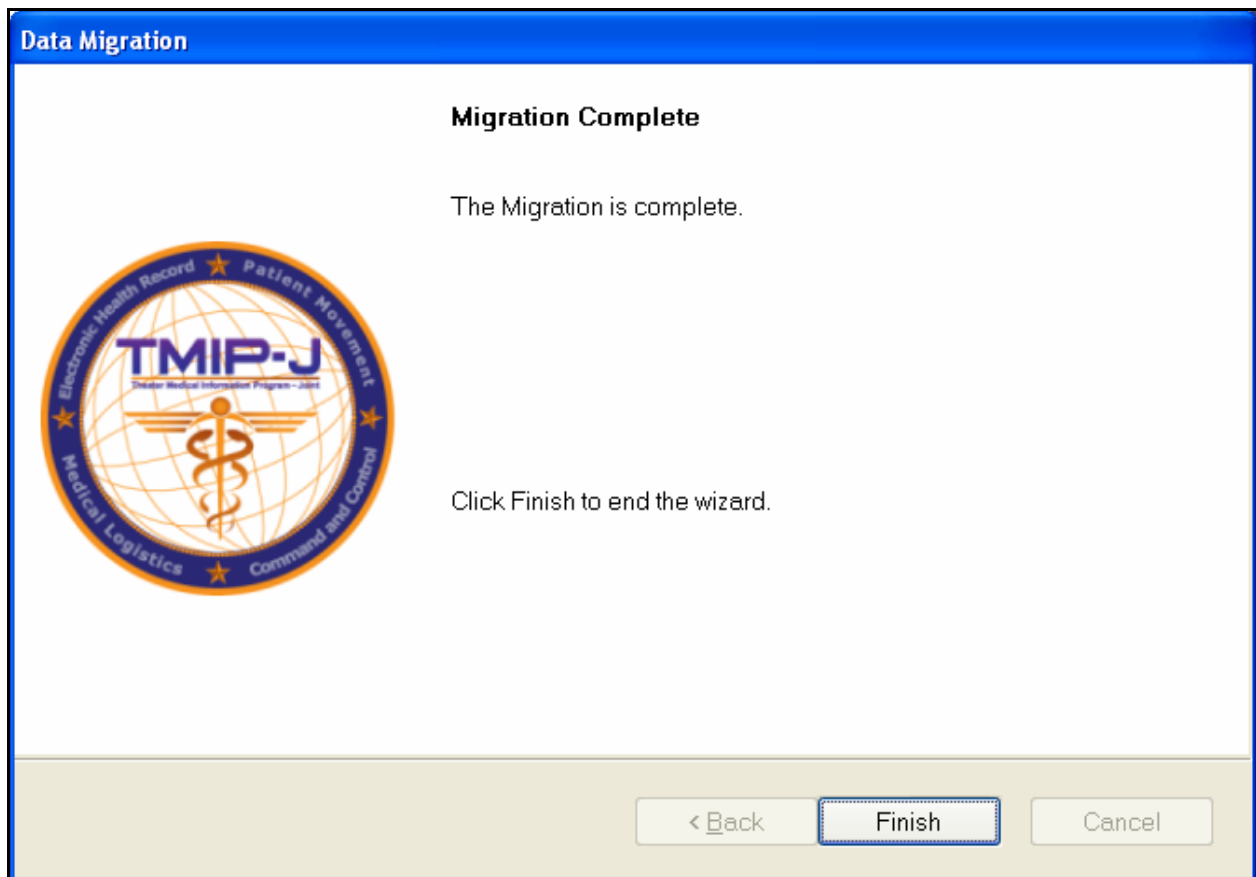


Figure 4-31 Data Migration Complete Screen

Step

57. Close **Readme.txt - Notepad** screen (**Figure 4-32**).

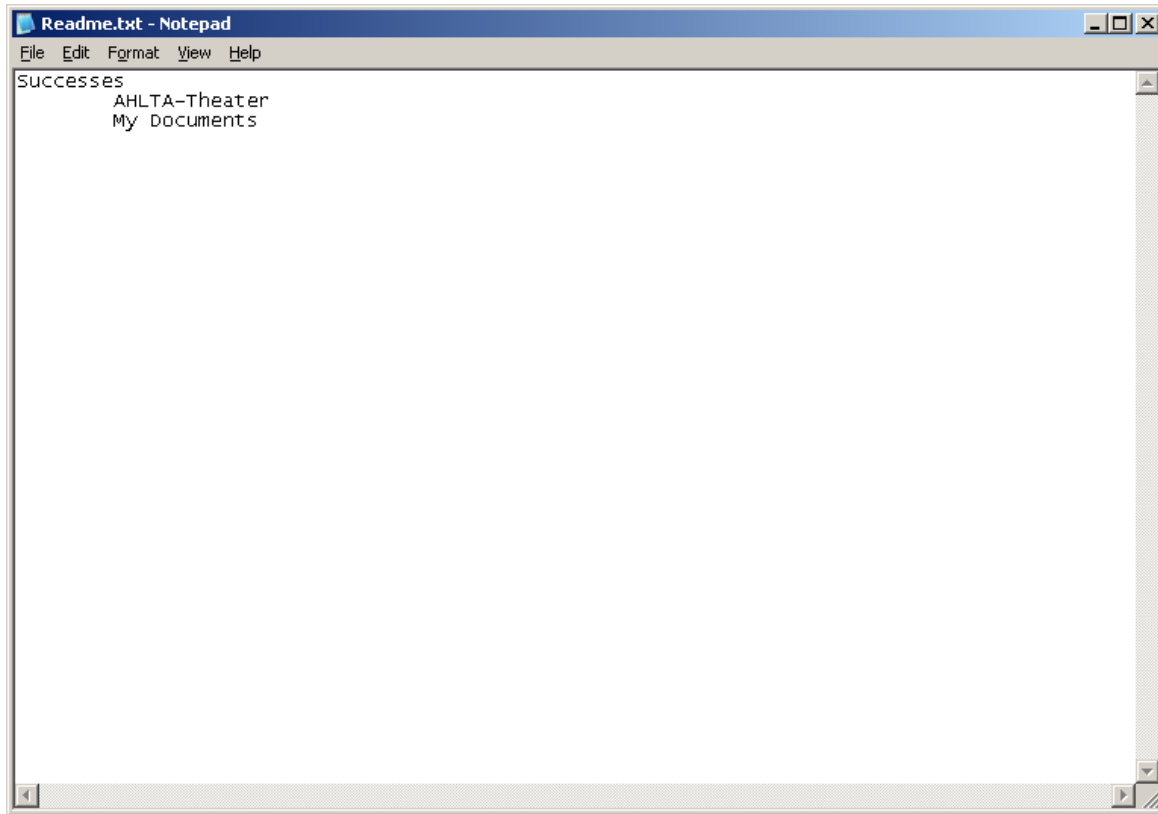


Figure 4-32 Readme.txt - Notepad Screen

Step

58. After successful migration, all files from the Data Migration working folder, excluding logs, will be removed as part of post clean up process.

59. If migration fails, the database will be restored to the previous backup data.

After a successful Data Migration install, the System Administrator needs to log into Data Migration. During the Data Migration install, the System Administrator's password is automatically set to the default password. It is this password, the default password, that the System Administrator needs to use to log into the system.

APPENDIX A: ACRONYMS/ABBREVIATIONS

Acronym/Abbreviation	Definition
AHLTA-T	AHLTA-Theater
B1	Block 1
B2	Block 2
B2 FY07 SP1	Block 2 Fiscal Year 07 Service Pack 1
B2 R1 SP2	Block 2 Release 1 Service Pack 2
CONUS	Continental United States
FHP ITDB	Force Health Protection Interim Theater Database
GB	Gigabyte
IIS	Internet Information Server
MHS	Military Health System
MHz	Megahertz
OCNUS	Outside Continental United States
PMO	Program Management Office
SA	System Administrator
SAM	System Administration Manual
SAMS	Shipboard Non-Tactical Automated Data Processing Program Automated Medical System
SID	Security Identifier
SIG	System Installation Guide
SP5	Service Pack 5
STEM	Storage Transfer Encapsulation Method
TMIP-J	Theater Medical Information Program-Joint

APPENDIX B: PRE-MIGRATION CHECKLIST

Item	Task	Reference Section	Complete
1	My Documents folder contains all data to be migrated.	2.1	
2	The IIS Bad Mail folder and COMMS table are empty.	2.2	
3	Prepare the B1 machine is to be upgraded to a B2 machine.	2.3	
4	B1 machine configured as a stand-alone.	2.3	
5	Perform system backup of the B1 system.	2.3.1	
6	B1 machine has TMIP-J version 1.1.2.2 Service Pack 5 or later version.	2.3.2	
7	Oracle 8i version 8.1.7.4.17 or later on the B1 system.	2.3.2	
8	Create the Working folder for exporting data.	2.3.3	
9	Create the TMIP-J B2 Data Container folder for exporting data.	2.3.3	
10	External media source identified for the Data Migration.	2.3.3/2.4.2	
11	Prepare B2 Machine.	2.4.1	
12	Create the Working folder for importing data.	2.4.2	
13	Create the Restore folder for importing data.	2.4.2	
14	Log off all remote users on the AHLTA-T and SAMS applications and close all applications.	3	
15	Begin Data Migration Export of B2 data.	3	